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Administration

Petroleum Supply Monthly

with data for April 2020

June 2020



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Preface

The Petroleum Supply Monthly (PSM) is the monthly component of a series of three publications produced by the Office of Petroleum and Biofuels Statistics of the U.S. Energy Information Administration (EIA). The other two components are the Weekly Petroleum Status Report (WPSR) and the Petroleum Supply Annual (PSA). Together these publications present comprehensive petroleum and biofuel supply data on a weekly, monthly and annual basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD)District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply. Included are: petroleum refiners, motor gasoline blenders, oxygenate producers, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of crude oil, petroleum products, and biofuels. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

Scope of data

The PSM presents statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District levels, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources including federal and state agencies.

Sections

- U.S. supply and disposition of crude oil, petroleum products, and biofuels
- Regional supply and disposition of crude oil, petroleum products, and biofuels
- Crude oil supply and disposition and production by state
- Natural Gas Processing
- Refinery Operations
- Imports of residual fuel oil by state of entry
- Imports by PADD
- Imports by country of origin
- Exports
- Net imports
- Stocks
- Movements of crude oil, petroleum products, and biofuels

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Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 2020
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³	
Crude Oil⁴	361,831	--	--	165,586	-1,941	49,569	383,592	92,315	0	1,166,990
Hydrocarbon Gas Liquids	148,028	-334	20,484	3,835	--	14,760	9,528	62,015	85,710	195,598
Natural Gas Liquids	148,028	-334	12,692	3,353	--	14,954	9,528	62,015	77,242	192,354
Ethane	52,980	--	215	--	--	-2,417	--	6,687	48,925	49,163
Propane	50,742	--	6,896	2,752	--	1,591	--	36,404	22,395	61,861
Normal Butane	14,746	--	5,946	522	--	8,950	2,700	10,592	-1,028	37,796
Isobutane	12,383	--	-365	77	--	1,530	4,236	150	6,179	14,245
Natural Gasoline	17,177	-334	--	2	--	5,300	2,592	8,182	771	29,289
Refinery Olefins	--	--	7,792	482	--	-194	--	--	8,468	3,244
Ethylene	--	--	21	--	--	0	--	--	21	0
Propylene	--	--	7,932	405	--	12	--	--	8,325	1,434
Normal Butylene	--	--	-186	77	--	-207	--	--	98	1,791
Isobutylene	--	--	25	--	--	1	--	--	24	19
Other Liquids	--	20,352	--	23,256	-1,739	-12,258	34,026	17,102	3,000	359,701
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	20,352	--	1,289	4,702	-1,308	24,669	2,983	0	32,261
Hydrogen	--	--	--	--	5,897	--	5,897	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) ...	--	20,352	--	1,275	-1,203	-1,303	18,745	2,983	0	32,248
Fuel Ethanol ⁵	--	16,945	--	--	956	-1,399	16,843	2,457	0	26,102
Renewable Fuels Except Fuel Ethanol	--	3,407	--	1,275	-2,158	96	1,902	526	0	6,146
Other Hydrocarbons	--	--	--	14	8	-5	27	--	0	13
Unfinished Oils	--	--	--	13,324	--	-7,135	5,849	11,598	3,012	92,967
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	--	8,643	-6,442	-3,830	3,511	2,520	0	234,432	
Reformulated	--	--	--	2,337	118	-2,168	4,574	49	0	54,890
Conventional	--	--	--	6,306	-6,560	-1,662	-1,063	2,471	0	179,542
Aviation Gasoline Blend. Comp.	--	--	--	--	15	-3	--	--	-12	41
Finished Petroleum Products	--	28	429,680	24,390	7,572	27,536	--	82,115	352,020	313,035
Finished Motor Gasoline	--	28	190,562	2,687	5,486	293	--	22,865	175,605	22,870
Reformulated	--	--	53,921	--	-122	-1	--	--	53,800	50
Conventional	--	28	136,641	2,687	5,608	294	--	22,865	121,804	22,820
Finished Aviation Gasoline	--	--	283	40	--	136	--	--	187	1,322
Kerosene-Type Jet Fuel	--	--	18,567	4,280	--	120	--	1,988	20,739	39,993
Kerosene	--	--	94	--	--	-46	--	75	65	1,691
Distillate Fuel Oil ⁵	--	--	153,016	6,924	2,086	23,996	--	32,878	105,152	150,709
15 ppm sulfur and under	--	145,210	6,740	2,086	23,926	--	25,871	104,239	136,988	
Greater than 15 ppm to 500 ppm sulfur	--	--	2,700	182	--	217	--	2,613	52	4,093
Greater than 500 ppm sulfur	--	--	5,106	2	--	-147	--	4,394	861	9,628
Residual Fuel Oil	--	--	4,347	6,286	--	2,178	--	4,711	3,744	36,548
Less than 0.31 percent sulfur	--	--	1,135	770	--	1,044	--	NA	NA	5,180
0.31 to 1.00 percent sulfur	--	--	1,496	1,473	--	-236	--	NA	NA	6,181
Greater than 1.00 percent sulfur	--	--	1,716	4,043	--	1,370	--	NA	NA	25,187
Petrochemical Feedstocks	--	--	8,263	495	--	121	--	--	8,637	2,856
Naphtha for Petro. Feed. Use	--	--	4,078	385	--	38	--	--	4,425	2,057
Other Oils for Petro. Feed. Use	--	--	4,185	110	--	83	--	--	4,212	799
Special Naphthas	--	--	1,021	638	--	-2	--	--	1,661	1,087
Lubricants	--	--	4,486	1,024	--	1,121	--	1,916	2,473	12,801
Waxes	--	--	129	165	--	40	--	106	148	666
Petroleum Coke	--	--	21,759	331	--	-805	--	17,216	5,679	5,839
Marketable	--	--	16,786	331	--	-805	--	17,216	706	5,839
Catalyst	--	--	4,973	--	--	--	--	--	4,973	--
Asphalt and Road Oil	--	--	7,890	1,519	--	339	--	325	8,745	36,017
Still Gas	--	--	16,803	--	--	--	--	--	16,803	--
Miscellaneous Products	--	--	2,460	1	--	45	--	35	2,381	636
Total	509,859	20,046	450,164	217,067	3,892	79,607	427,146	253,546	440,730	2,035,324

-- = Not Applicable.

= No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve," "Northeast Regional Refined Petroleum Product Reserve," and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 2. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 2020
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³	
Crude Oil ⁴	1,521,548	--	--	748,490	58,823	99,086	1,818,897	410,878	0	1,166,990
Hydrocarbon Gas Liquids	614,362	-2,095	62,815	19,843	--	-16,137	65,164	259,230	386,668	195,598
Natural Gas Liquids	614,362	-2,095	32,276	18,078	--	-16,415	65,164	259,230	354,642	192,354
Ethane	228,209	--	765	--	--	-8,236	--	33,702	203,508	49,163
Propane	207,592	--	32,871	14,519	--	-17,751	--	151,553	121,180	61,861
Normal Butane	57,009	--	579	2,751	--	-1,859	25,596	40,681	-4,079	37,796
Isobutane	53,093	--	-1,939	782	--	3,040	23,175	456	25,265	14,245
Natural Gasoline	68,459	-2,095	--	26	--	8,391	16,393	32,838	8,768	29,289
Refinery Olefins	--	--	30,539	1,765	--	278	--	--	32,026	3,244
Ethylene	--	--	68	--	--	0	--	--	68	0
Propylene	--	--	30,671	1,482	--	-239	--	--	32,392	1,434
Normal Butylene	--	--	-216	283	--	518	--	--	-451	1,791
Isobutylene	--	--	16	--	--	-1	--	--	17	19
Other Liquids	--	123,459	--	126,689	23,677	14,586	178,124	65,096	16,020	359,701
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	123,474	--	4,423	18,172	4,442	126,758	14,869	0	32,261
Hydrogen	--	--	--	--	26,130	--	26,130	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	123,474	--	4,393	-8,023	4,439	100,536	14,869	0	32,248
Fuel Ethanol ⁵	--	110,210	--	679	705	3,753	93,820	14,021	0	26,102
Renewable Fuels Except Fuel Ethanol	--	13,264	--	3,714	-8,728	686	6,716	849	0	6,146
Other Hydrocarbons	--	--	--	30	65	3	92	--	0	13
Unfinished Oils	--	--	--	70,964	--	3,566	10,609	40,708	16,081	92,967
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	-15	--	51,302	5,505	6,579	40,695	9,518	0	234,432
Reformulated	--	-3	--	19,012	29,157	2,024	45,731	411	0	54,890
Conventional	--	-12	--	32,290	-23,651	4,555	-5,036	9,108	0	179,542
Aviation Gasoline Blend. Comp.	--	--	--	--	--	-1	62	--	-61	41
Finished Petroleum Products	--	305	2,115,181	91,724	1,797	21,185	--	390,590	1,797,232	313,035
Finished Motor Gasoline	--	305	1,037,293	11,907	-6,210	-3,104	--	97,973	948,426	22,870
Reformulated	--	--	318,933	--	-26,568	9	--	--	292,356	50
Conventional	--	305	718,360	11,907	20,358	-3,113	--	97,973	656,070	22,820
Finished Aviation Gasoline	--	--	1,255	53	--	220	--	--	1,088	1,322
Kerosene-Type Jet Fuel	--	--	166,540	18,286	--	-460	--	22,430	162,856	39,993
Kerosene	--	--	1,088	20	--	-1,164	--	391	1,881	1,691
Distillate Fuel Oil ⁵	--	--	603,669	23,028	8,007	10,723	--	157,282	466,698	150,709
15 ppm sulfur and under	--	--	568,838	22,358	8,007	12,290	--	126,870	460,043	136,988
Greater than 15 ppm to 500 ppm sulfur	--	--	15,575	317	--	-349	--	14,634	1,607	4,093
Greater than 500 ppm sulfur	--	--	19,256	353	--	-1,218	--	15,779	5,048	9,628
Residual Fuel Oil	--	--	25,308	21,154	--	5,644	--	21,353	19,465	36,548
Less than 0.31 percent sulfur	--	--	4,867	789	--	1,379	--	NA	NA	5,180
0.31 to 1.00 percent sulfur	--	--	7,752	4,330	--	755	--	NA	NA	6,181
Greater than 1.00 percent sulfur	--	--	12,689	16,035	--	3,518	--	NA	NA	25,187
Petrochemical Feedstocks	--	--	33,132	2,260	--	-298	--	--	35,690	2,856
Naphtha for Petro. Feed. Use	--	--	20,166	1,885	--	-142	--	--	22,193	2,057
Other Oils for Petro. Feed. Use	--	--	12,966	375	--	-156	--	--	13,497	799
Special Naphthas	--	--	4,155	1,756	--	-140	--	--	6,051	1,087
Lubricants	--	--	17,529	5,363	--	115	--	11,429	11,348	12,801
Waxes	--	--	407	654	--	-60	--	528	593	666
Petroleum Coke	--	--	101,026	1,388	--	-3,220	--	76,725	28,909	5,839
Marketable	--	--	78,548	1,388	--	-3,220	--	76,725	6,431	5,839
Catalyst	--	--	22,478	--	--	--	--	--	22,478	--
Asphalt and Road Oil	--	--	35,933	5,851	--	12,962	--	2,276	26,546	36,017
Still Gas	--	--	77,171	--	--	--	--	--	77,171	--
Miscellaneous Products	--	--	10,675	4	--	-33	--	202	10,510	636
Total	2,135,910	121,669	2,177,996	986,746	84,297	118,720	2,062,185	1,125,794	2,199,920	2,035,324

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve," "Northeast Regional Refined Petroleum Product Reserve," and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

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Table 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 2020
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³
Crude Oil⁴	12,061	--	--	5,520	-65	1,652	12,786	3,077	0
Hydrocarbon Gas Liquids	4,934	-11	683	128	--	492	318	2,067	2,857
Natural Gas Liquids	4,934	-11	423	112	--	498	318	2,067	2,575
Ethane	1,766	--	7	--	--	-81	--	223	1,631
Propane	1,691	--	230	92	--	53	--	1,213	746
Normal Butane	492	--	198	17	--	298	90	353	-34
Isobutane	413	--	-12	3	--	51	141	5	206
Natural Gasoline	573	-11	--	0	--	177	86	273	26
Refinery Olefins	--	--	260	16	--	-6	--	--	282
Ethylene	--	--	1	--	--	0	--	--	1
Propylene	--	--	264	14	--	0	--	--	278
Normal Butylene	--	--	-6	3	--	-7	--	--	3
Isobutylene	--	--	1	--	--	0	--	--	1
Other Liquids	--	--	--	--	--	--	--	--	--
Hydrogen/Oxygenates/Renewables/									
Other Hydrocarbons	--	678	--	43	157	-44	822	99	0
Hydrogen	--	--	--	--	197	--	197	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	678	--	43	-40	-43	625	99	0
Fuel Ethanol ⁵	--	565	--	--	32	-47	561	82	0
Renewable Fuels Except Fuel Ethanol	--	114	--	43	-72	3	63	18	0
Other Hydrocarbons	--	--	--	0	0	0	0	1	0
Unfinished Oils	--	--	--	444	--	-238	195	387	100
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	--	--	288	-215	-128	117	84	0
Reformulated	--	--	--	78	4	-72	152	2	0
Conventional	--	--	--	210	-219	-55	-35	82	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	1	0	--	0
Finished Petroleum Products	--	1	14,323	813	252	918	--	2,737	11,734
Finished Motor Gasoline	--	1	6,352	90	183	10	--	762	5,853
Reformulated	--	--	1,797	--	-4	0	--	--	1,793
Conventional	--	1	4,555	90	187	10	--	762	4,060
Finished Aviation Gasoline	--	--	9	1	--	5	--	--	6
Kerosene-Type Jet Fuel	--	--	619	143	--	4	--	66	691
Kerosene	--	--	3	--	--	-2	--	2	2
Distillate Fuel Oil ⁵	--	--	5,101	231	70	800	--	1,096	3,505
15 ppm sulfur and under	--	--	4,840	225	70	798	--	862	3,475
Greater than 15 ppm to 500 ppm sulfur	--	--	90	6	--	7	--	87	2
Greater than 500 ppm sulfur	--	--	170	0	--	-5	--	146	29
Residual Fuel Oil	--	--	145	210	--	73	--	157	125
Less than 0.31 percent sulfur	--	--	38	26	--	35	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	50	49	--	-8	--	NA	NA
Greater than 1.00 percent sulfur	--	--	57	135	--	46	--	NA	NA
Petrochemical Feedstocks	--	--	275	17	--	4	--	--	288
Naphtha for Petro. Feed. Use	--	--	136	13	--	1	--	--	148
Other Oils for Petro. Feed. Use	--	--	140	4	--	3	--	--	140
Special Naphthas	--	--	34	21	--	0	--	--	55
Lubricants	--	--	150	34	--	37	--	64	82
Waxes	--	--	4	6	--	1	--	4	5
Petroleum Coke	--	--	725	11	--	-27	--	574	189
Marketable	--	--	560	11	--	-27	--	574	24
Catalyst	--	--	166	--	--	--	--	--	166
Asphalt and Road Oil	--	--	263	51	--	11	--	11	292
Still Gas	--	--	560	--	--	--	--	--	560
Miscellaneous Products	--	--	82	0	--	2	--	1	79
Total	16,995	668	15,005	7,236	130	2,654	14,238	8,452	14,691

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 2020
 (Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³
Crude Oil ⁴	12,575	--	--	6,186	486	819	15,032	3,396	0
Hydrocarbon Gas Liquids	5,077	-17	519	164	--	-133	539	2,142	3,196
Natural Gas Liquids	5,077	-17	267	149	--	-136	539	2,142	2,931
Ethane	1,886	--	--	--	--	-68	--	279	1,682
Propane	1,716	--	272	120	--	-147	--	1,253	1,001
Normal Butane	471	--	5	23	--	-15	212	336	-34
Isobutane	439	--	-149	6	--	25	192	4	209
Natural Gasoline	566	-17	--	0	--	69	135	271	72
Refinery Olefins	--	--	252	15	--	2	--	--	265
Ethylene	--	--	1	--	--	0	--	--	1
Propylene	--	--	253	12	--	-2	--	--	268
Normal Butylene	--	--	-2	2	--	4	--	--	-4
Isobutylene	--	--	120	--	--	0	--	--	0
Other Liquids	--	1,020	--	1,047	196	121	1,472	538	132
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	1,020	--	37	150	37	1,048	123	0
Hydrogen	--	--	--	--	216	--	216	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	1,020	--	36	-66	37	831	123	0
Fuel Ethanol ⁵	--	911	--	6	6	31	775	116	0
Renewable Fuels Except Fuel Ethanol	--	110	--	31	-72	6	56	7	0
Other Hydrocarbons	--	--	--	0	1	0	1	--	0
Unfinished Oils	--	--	--	586	--	29	88	336	133
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	0	--	424	45	54	336	79	0
Reformulated	--	0	--	157	241	17	378	3	0
Conventional	--	0	--	267	-195	38	-42	75	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	1	--	-1
Finished Petroleum Products	--	3	17,481	758	15	175	--	3,228	14,853
Finished Motor Gasoline	--	3	8,573	98	-51	-26	--	810	7,838
Reformulated	--	--	2,636	--	-220	0	--	--	2,416
Conventional	--	3	5,937	98	168	-26	--	810	5,422
Finished Aviation Gasoline	--	--	10	0	--	2	--	--	9
Kerosene-Type Jet Fuel	--	--	1,376	151	--	-4	--	185	1,346
Kerosene	--	--	9	0	--	-10	--	3	16
Distillate Fuel Oil ⁵	--	--	4,989	190	66	89	--	1,300	3,857
15 ppm sulfur and under	--	--	4,701	185	66	102	--	1,049	3,802
Greater than 15 ppm to 500 ppm sulfur	--	--	129	3	--	-3	--	121	13
Greater than 500 ppm sulfur	--	--	159	3	--	-10	--	130	42
Residual Fuel Oil	--	--	209	175	--	47	--	176	161
Less than 0.31 percent sulfur	--	--	40	7	--	11	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	64	36	--	6	--	NA	NA
Greater than 1.00 percent sulfur	--	--	105	133	--	29	--	NA	NA
Petrochemical Feedstocks	--	--	274	19	--	-2	--	--	295
Naphtha for Petro. Feed. Use	--	--	167	16	--	-1	--	--	183
Other Oils for Petro. Feed. Use	--	--	107	3	--	-1	--	--	112
Special Naphthas	--	--	34	15	--	-1	--	--	50
Lubricants	--	--	145	44	--	1	--	94	94
Waxes	--	--	3	5	--	0	--	4	5
Petroleum Coke	--	--	835	11	--	-27	--	634	239
Marketable	--	--	649	11	--	-27	--	634	53
Catalyst	--	--	186	--	--	--	--	--	186
Asphalt and Road Oil	--	--	297	48	--	107	--	19	219
Still Gas	--	--	638	--	--	--	--	--	638
Miscellaneous Products	--	--	88	0	--	0	--	2	87
Total	17,652	1,006	18,000	8,155	697	981	17,043	9,304	18,181

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.
 Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
 Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 5. PAD District 1 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 2020
(Thousands Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	1,841	--	--	10,211	4,887	-518	599	15,822	1	0	11,968
Hydrocarbon Gas Liquids	17,108	-8	761	892	1,955	--	668	583	8,474	10,983	8,284
Natural Gas Liquids	17,108	-8	379	656	1,617	--	686	583	8,474	10,009	8,145
Ethane	6,415	--	--	--	--	--	-174	--	1,448	598	755
Propane	6,204	--	350	651	4,886	--	141	--	5,161	6,789	4,712
Normal Butane	1,953	--	66	--	1,767	--	814	306	1,732	934	2,181
Isobutane	795	--	-37	5	-258	--	-32	123	1	413	159
Natural Gasoline	1,741	-8	--	--	-235	--	-63	154	132	1,275	338
Refinery Olefins	--	--	382	236	--	--	-18	--	--	974	139
Ethylene	--	--	9	--	--	--	--	--	--	9	--
Propylene	--	--	337	236	--	--	-15	--	--	926	81
Normal Butylene	--	--	-6	--	--	--	-4	--	--	-2	39
Isobutylene	--	--	42	--	--	--	1	--	--	41	19
Other Liquids	--	408	--	8,308	41,602	-969	-1,663	50,992	406	-385	81,835
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	408	--	297	6,263	-1,175	-754	6,343	204	0	10,085
Hydrogen	--	--	--	--	--	118	--	118	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	408	--	297	6,263	-1,293	-754	6,225	204	0	10,085
Fuel Ethanol	--	320	--	--	6,062	-1,037	-672	5,847	170	0	8,916
Renewable Fuels Except Fuel Ethanol	--	88	--	297	201	-256	-82	378	34	0	1,169
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	838	751	--	110	1,835	29	-385	4,459
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	7,173	34,588	206	-1,019	42,814	172	0	67,291
Reformulated	--	--	--	2,337	5,393	498	859	7,369	0	0	23,599
Conventional	--	--	--	4,836	29,195	-292	-1,878	35,445	172	0	43,692
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	-	67,595	13,040	41,329	1,087	14,655	--	1,441	106,955	84,032
Finished Motor Gasoline	--	-	57,138	2,270	2,463	831	239	--	145	62,318	2,932
Reformulated	--	-	20,114	--	--	-793	-10	--	--	19,331	29
Conventional	--	-	37,024	2,270	2,463	1,624	249	--	145	42,987	2,903
Finished Aviation Gasoline	--	-	--	1	89	--	49	--	--	41	221
Kerosene-Type Jet Fuel	--	-	-31	1,062	5,325	--	-761	--	1	7,116	10,292
Kerosene	--	-	37	--	--	--	113	--	0	-76	1,290
Distillate Fuel Oil ⁶	--	-	7,030	6,081	31,697	256	13,732	--	586	30,745	48,986
15 ppm sulfur and under	--	-	6,957	5,899	30,690	256	13,402	--	261	30,139	44,727
Greater than 15 ppm to 500 ppm sulfur	--	-	137	182	21	--	-23	--	4	359	1,395
Greater than 500 ppm sulfur	--	-	-64	--	986	--	353	--	322	247	2,864
Residual Fuel Oil	--	-	770	2,545	338	--	738	--	91	2,824	8,526
Less than 0.31 percent sulfur	--	-	-34	770	435	--	89	--	NA	NA	1,530
0.31 to 1.00 percent sulfur	--	-	658	1,360	-97	--	104	--	NA	NA	2,153
Greater than 1.00 percent sulfur	--	-	146	415	--	--	545	--	NA	NA	4,843
Petrochemical Feedstocks	--	-	-3	3	--	--	-20	--	--	20	4
Naphtha for Petro. Feed. Use	--	-	-3	--	--	--	-20	--	--	17	4
Other Oils for Petro. Feed. Use	--	-	--	3	--	--	--	--	--	3	--
Special Naphthas	--	-	4	1	--	--	-2	--	--	7	39
Lubricants	--	-	368	90	282	--	170	--	207	363	1,616
Waxes	--	-	-2	67	--	--	-3	--	62	6	354
Petroleum Coke	--	-	596	2	400	--	--	--	318	679	--
Marketable	--	-	261	2	400	--	--	--	318	344	--
Catalyst	--	-	335	--	--	--	--	--	--	335	--
Asphalt and Road Oil	--	-	812	918	687	--	384	--	16	2,017	9,724
Still Gas	--	-	800	--	--	--	--	--	--	800	--
Miscellaneous Products	--	-	76	--	49	--	16	--	15	94	48
Total	18,949	400	68,356	32,451	89,774	-400	14,259	67,397	10,322	117,553	186,119

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 6. PAD District 1 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 2020
 (Thousands Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	8,664	--	--	49,394	29,969	-2,189	2,322	79,345	4,170	0	11,968
Hydrocarbon Gas Liquids	70,720	-48	2,385	5,225	9,359	--	-1,338	4,882	27,834	56,263	8,284
Natural Gas Liquids	70,720	-48	1,040	4,379	7,883	--	-1,169	4,882	27,834	52,427	8,145
Ethane	26,290	--	--	--	--	--	16	--	6,557	922	755
Propane	25,781	--	1,699	4,150	22,888	--	-1,846	--	15,417	40,947	4,712
Normal Butane	8,192	--	-510	51	5,813	--	684	2,838	5,256	4,768	2,181
Isobutane	3,327	--	-149	178	-955	--	-9	928	4	1,478	159
Natural Gasoline	7,130	-48	--	--	-1,068	--	-14	1,116	600	4,312	338
Refinery Olefins	--	--	1,345	846	--	--	-169	--	--	3,836	139
Ethylene	--	--	34	--	--	--	--	--	--	34	--
Propylene	--	--	1,307	846	--	--	-70	--	--	3,699	81
Normal Butylene	--	--	-116	--	--	--	-103	--	--	-13	39
Isobutylene	--	--	120	--	--	--	4	--	--	116	19
Other Liquids	--	2,923	--	49,262	229,989	19,833	8,142	293,851	1,517	-1,503	81,835
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	2,932	--	879	37,743	-3,177	1,505	36,077	794	0	10,085
Hydrogen	--	--	--	--	--	455	--	455	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	2,932	--	879	37,743	-3,632	1,505	35,622	794	0	10,085
Fuel Ethanol	--	2,432	--	--	36,578	-2,646	1,655	33,981	728	0	8,916
Renewable Fuels Except Fuel Ethanol	--	500	--	879	1,165	-986	-150	1,641	66	0	1,169
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	6,883	912	--	318	8,776	204	-1,503	4,459
Motor Gasoline Blend.Comp. (MGBC)	--	-9	--	41,500	191,334	23,011	6,319	248,998	519	0	67,291
Reformulated	--	--	--	18,373	30,201	11,085	2,444	57,210	5	0	23,599
Conventional	--	-9	--	23,127	161,133	11,926	3,875	191,788	514	0	43,692
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	-	379,604	46,302	184,320	-19,379	9,066	--	10,940	570,841	84,032
Finished Motor Gasoline	--	--	329,432	10,680	12,777	-20,365	-1,700	--	855	333,369	2,932
Reformulated	--	--	125,498	--	--	-12,019	1	--	--	113,478	29
Conventional	--	--	203,934	10,680	12,777	-8,345	-1,701	--	855	219,891	2,903
Finished Aviation Gasoline	--	--	--	-	287	--	22	--	--	269	221
Kerosene-Type Jet Fuel	--	--	7,346	4,135	50,129	--	1,447	--	1,656	58,507	10,292
Kerosene	--	--	277	--	317	--	-915	--	152	1,357	1,290
Distillate Fuel Oil ⁶	--	--	26,469	19,764	112,774	985	4,184	--	2,877	152,932	48,986
15 ppm sulfur and under	--	--	26,335	19,184	108,472	985	4,995	--	1,710	148,271	44,727
Greater than 15 ppm to 500 ppm sulfur	--	--	901	317	191	--	-76	--	793	692	1,395
Greater than 500 ppm sulfur	--	--	-767	263	4,111	--	-735	--	374	3,968	2,864
Residual Fuel Oil	--	--	3,935	6,547	646	--	855	--	1,067	9,206	8,526
Less than 0.31 percent sulfur	--	--	-354	789	608	--	-147	--	NA	NA	1,530
0.31 to 1.00 percent sulfur	--	--	2,998	2,836	38	--	66	--	NA	NA	2,153
Greater than 1.00 percent sulfur	--	--	1,291	2,922	--	--	936	--	NA	NA	4,843
Petrochemical Feedstocks	--	--	-3	339	--	--	-41	--	--	377	4
Naphtha for Petro. Feed. Use	--	--	-3	332	--	--	-41	--	--	370	4
Other Oils for Petro. Feed. Use	--	--	-	7	--	--	-	--	--	7	-
Special Naphthas	--	--	47	8	--	--	6	--	--	49	39
Lubricants	--	--	1,478	651	2,036	--	174	--	740	3,251	1,616
Waxes	--	--	4	305	--	--	-55	--	243	121	354
Petroleum Coke	--	--	2,981	6	1,478	--	-	--	3,081	1,384	-
Marketable	--	--	1,425	6	1,478	--	-	--	3,081	-172	-
Catalyst	--	--	1,556	--	--	--	--	--	--	1,556	--
Asphalt and Road Oil	--	--	3,633	3,863	3,696	--	5,074	--	213	5,905	9,724
Still Gas	--	--	3,673	--	--	--	--	--	--	3,673	--
Miscellaneous Products	--	--	332	--	180	--	15	--	56	441	48
Total	79,384	2,875	381,989	150,183	453,637	-1,735	18,192	378,078	44,460	625,601	186,119

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

5 Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

6 Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 7. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 2020
 (Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	61	--	--	340	163	-17	20	527	0	0
Hydrocarbon Gas Liquids	570	0	25	30	65	--	22	19	282	366
Natural Gas Liquids	570	0	13	22	54	--	23	19	282	334
Ethane	214	--	--	--	--	--	-6	--	48	20
Propane	207	--	12	22	163	--	5	--	--	226
Normal Butane	65	--	2	--	59	--	27	10	58	31
Isobutane	27	--	-1	0	-9	--	-1	4	0	14
Natural Gasoline	58	0	--	--	-8	--	-2	5	4	42
Refinery Olefins	--	--	13	8	--	--	-1	--	--	32
Ethylene	--	--	0	--	--	--	--	--	--	0
Propylene	--	--	11	8	11	--	-1	--	--	31
Normal Butylene	--	--	0	--	--	--	0	--	--	0
Isobutylene	--	--	1	--	--	--	0	--	--	1
Other Liquids	--	14	--	277	1,387	-32	-55	1,700	14	-13
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons	--	14	--	10	209	-39	-25	211	7	0
Hydrogen	--	--	--	--	--	4	--	4	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	14	--	10	209	-43	-25	208	7	0
Fuel Ethanol ⁶	--	11	--	--	202	-35	-22	195	6	0
Renewable Fuels Except Fuel Ethanol	--	3	--	10	7	-9	-3	13	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	28	25	--	4	61	1	-13
Motor Gasoline Blend. Comp. (MGBC) ⁶	--	--	--	239	1,153	7	-34	1,427	6	0
Reformulated	--	--	--	78	180	17	29	246	0	0
Conventional	--	--	--	161	973	-10	-63	1,182	6	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	-	2,253	435	1,378	36	489	--	48	3,565
Finished Motor Gasoline	--	-	1,905	76	82	28	8	--	5	2,077
Reformulated	--	-	670	--	--	-26	0	--	--	644
Conventional	--	-	1,234	76	82	54	8	--	5	1,433
Finished Aviation Gasoline	--	--	--	0	3	--	2	--	--	1
Kerosene-Type Jet Fuel	--	--	-1	35	178	--	-25	--	0	237
Kerosene	--	--	1	--	--	--	4	--	0	-3
Distillate Fuel Oil ⁶	--	--	234	203	1,057	9	458	--	20	1,025
15 ppm sulfur and under	--	--	232	197	1,023	9	447	--	9	1,005
Greater than 15 ppm to 500 ppm sulfur	--	--	5	6	1	--	-1	--	0	12
Greater than 500 ppm sulfur	--	--	-2	--	33	--	12	--	11	8
Residual Fuel Oil	--	--	26	85	11	--	25	--	3	94
Less than 0.31 percent sulfur	--	--	-1	26	15	--	3	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	22	45	-3	--	3	--	NA	NA
Greater than 1.00 percent sulfur	--	--	5	14	--	--	18	--	NA	NA
Petrochemical Feedstocks	--	--	0	0	--	--	-1	--	--	1
Naphtha for Petro. Feed. Use	--	--	0	--	--	--	-1	--	--	1
Other Oils for Petro. Feed. Use	--	--	-	0	--	--	-	--	--	0
Special Naphthas	--	--	0	0	--	--	0	--	--	0
Lubricants	--	--	12	3	9	--	6	--	7	12
Waxes	--	--	0	2	--	--	0	--	2	0
Petroleum Coke	--	--	20	0	13	--	-	--	11	23
Marketable	--	--	9	0	13	--	-	--	11	11
Catalyst	--	--	11	--	--	--	--	--	--	11
Asphalt and Road Oil	--	--	27	31	23	--	13	--	1	67
Still Gas	--	--	27	--	--	--	--	--	--	27
Miscellaneous Products	--	--	3	--	2	--	1	--	0	3
Total	632	13	2,279	1,082	2,992	-13	475	2,247	344	3,918

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 8. PAD District 1 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 2020
 (Thousands Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	72	--	--	408	248	-18	19	656	34	0
Hydrocarbon Gas Liquids	584	0	20	43	77	--	-11	40	230	465
Natural Gas Liquids	584	0	9	36	65	--	-10	40	230	433
Ethane	217	--	--	--	--	--	0	--	54	8
Propane	213	--	14	34	189	--	-15	--	--	338
Normal Butane	68	--	-4	0	48	--	6	23	43	39
Isobutane	27	--	-1	1	-8	--	0	8	0	12
Natural Gasoline	59	0	--	--	-9	--	0	9	5	36
Refinery Olefins	--	--	11	7	--	--	-1	--	--	32
Ethylene	--	--	0	--	--	--	--	--	--	0
Propylene	--	--	11	7	12	--	-1	--	--	31
Normal Butylene	--	--	-1	--	--	--	-1	--	--	0
Isobutylene	--	--	1	--	--	--	0	--	--	1
Other Liquids	--	24	--	407	1,901	164	67	2,429	13	-12
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons	--	24	--	7	312	-26	12	298	7	0
Hydrogen	--	--	--	--	--	4	--	4	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	24	--	7	312	-30	12	294	7	0
Fuel Ethanol ⁶	--	20	--	--	302	-22	14	281	6	0
Renewable Fuels Except Fuel Ethanol	--	4	--	7	10	-8	-1	14	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	57	8	--	3	73	2	-12
Motor Gasoline Blend.Comp. (MGBC) ⁶	--	0	--	343	1,581	190	52	2,058	4	0
Reformulated	--	--	--	152	250	92	20	473	0	0
Conventional	--	0	--	191	1,332	99	32	1,585	4	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	-	3,137	383	1,523	-160	75	--	90	4,718
Finished Motor Gasoline	--	-	2,723	88	106	-168	-14	--	7	2,755
Reformulated	--	-	1,037	--	--	-99	0	--	--	938
Conventional	--	-	1,685	88	106	-69	-14	--	7	1,817
Finished Aviation Gasoline	--	--	-	0	2	--	0	--	--	2
Kerosene-Type Jet Fuel	--	--	61	34	414	--	12	--	14	484
Kerosene	--	--	2	--	3	--	-8	--	1	11
Distillate Fuel Oil ⁶	--	--	219	163	932	8	35	--	24	1,264
15 ppm sulfur and under	--	--	218	159	896	8	41	--	14	1,225
Greater than 15 ppm to 500 ppm sulfur	--	--	7	3	2	--	-1	--	7	6
Greater than 500 ppm sulfur	--	--	-6	2	34	--	-6	--	3	33
Residual Fuel Oil	--	--	33	54	5	--	7	--	9	76
Less than 0.31 percent sulfur	--	--	-3	7	5	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	25	23	0	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	11	24	--	--	8	--	NA	NA
Petrochemical Feedstocks	--	--	0	3	--	--	0	--	--	3
Naphtha for Petro. Feed. Use	--	--	0	3	--	--	0	--	--	3
Other Oils for Petro. Feed. Use	--	--	-	0	--	--	-	--	--	0
Special Naphthas	--	--	0	0	--	--	0	--	--	0
Lubricants	--	--	12	5	17	--	1	--	6	27
Waxes	--	--	0	3	--	--	0	--	2	1
Petroleum Coke	--	--	25	0	12	--	-	--	25	11
Marketable	--	--	12	0	12	--	-	--	25	-1
Catalyst	--	--	13	--	--	--	--	--	--	13
Asphalt and Road Oil	--	--	30	32	31	--	42	--	2	49
Still Gas	--	--	30	--	--	--	--	--	--	30
Miscellaneous Products	--	--	3	--	1	--	0	--	0	4
Total	656	24	3,157	1,241	3,749	-14	150	3,125	367	5,170

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 9. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 2020
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	56,670	--	--	81,163	-19,707	-10,000	16,820	87,405	3,901	0	156,343
Hydrocarbon Gas Liquids	27,796	-313	4,879	1,449	-13,690	--	2,199	1,220	11,056	5,646	38,306
Natural Gas Liquids	27,796	-313	3,580	1,234	-13,004	--	2,171	1,220	11,056	4,846	38,028
Ethane	8,166	--	--	--	--	--	185	--	2,588	3,954	4,861
Propane	10,725	--	1,738	1,003	-8,827	--	634	--	243	3,762	11,515
Normal Butane	3,532	--	1,851	165	-4,423	--	1,714	163	255	-1,007	8,611
Isobutane	2,008	--	-9	64	-416	--	241	898	0	508	2,245
Natural Gasoline	3,365	-313	--	2	2,101	--	-603	159	7,969	-2,370	10,796
Refinery Olefins	--	--	1,299	215	--	--	28	--	--	800	278
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,239	169	--	--	25	--	--	697	248
Normal Butylene	--	--	60	46	--	--	3	--	--	103	30
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	18,377	--	401	-8,748	-3,086	-3,933	9,717	2,495	-1,335	73,648
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	18,377	--	122	-12,399	323	-281	6,255	449	0	9,568
Hydrogen	--	--	--	--	--	1,060	--	1,060	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	18,377	--	122	-12,399	-759	-276	5,168	449	0	9,555
Fuel Ethanol	--	16,046	--	--	-11,624	375	-138	4,721	214	0	8,508
Renewable Fuels Except Fuel Ethanol	--	2,331	--	122	-775	-1,133	-138	447	236	0	1,047
Other Hydrocarbons	--	--	--	--	--	22	-5	27	--	0	13
Unfinished Oils	--	--	--	93	-455	--	-391	-565	1,929	-1,335	14,210
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	186	4,106	-3,410	-3,261	4,027	116	0	49,870
Reformulated	--	--	--	--	504	-395	-846	955	--	0	5,655
Conventional	--	--	--	186	3,602	-3,015	-2,415	3,072	116	0	44,215
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	28	98,100	1,041	2,779	4,168	1,049	--	667	104,400	64,420
Finished Motor Gasoline	--	28	49,352	--	-152	3,035	-469	--	197	52,535	6,594
Reformulated	--	--	6,237	--	--	736	--	--	--	6,973	--
Conventional	--	28	43,115	--	-152	2,299	-469	--	197	45,562	6,594
Finished Aviation Gasoline	--	--	--	4	29	--	24	--	--	9	195
Kerosene-Type Jet Fuel	--	--	3,045	--	1,232	--	-597	--	5	4,869	6,790
Kerosene	--	--	-19	--	--	--	-31	--	1	11	209
Distillate Fuel Oil	--	--	32,214	194	3,821	1,133	1,919	--	76	35,367	32,183
15 ppm sulfur and under	--	--	32,186	193	3,704	1,133	1,967	--	1	35,248	31,373
Greater than 15 ppm to 500 ppm sulfur	--	--	122	--	71	--	-41	--	17	217	388
Greater than 500 ppm sulfur	--	--	-94	1	46	--	-7	--	58	-98	422
Residual Fuel Oil	--	--	745	55	-815	--	40	--	180	-235	1,155
Less than 0.31 percent sulfur	--	--	95	--	-50	--	-7	--	NA	NA	97
0.31 to 1.00 percent sulfur	--	--	362	55	-405	--	3	--	NA	NA	308
Greater than 1.00 percent sulfur	--	--	288	--	-360	--	44	--	NA	NA	750
Petrochemical Feedstocks	--	--	683	158	-23	--	7	--	--	811	467
Naphtha for Petro. Feed. Use	--	--	333	77	-23	--	7	--	--	380	379
Other Oils for Petro. Feed. Use	--	--	350	81	--	--	0	--	--	431	88
Special Naphthas	--	--	-6	7	33	--	17	--	--	17	155
Lubricants	--	--	187	100	164	--	132	--	89	230	848
Waxes	--	--	30	3	--	--	9	--	21	3	62
Petroleum Coke	--	--	4,633	30	-1,001	--	-252	--	80	3,833	1,193
Marketable	--	--	3,669	30	-1,001	--	-252	--	80	2,869	1,193
Catalyst	--	--	964	--	--	--	--	--	--	964	--
Asphalt and Road Oil	--	--	3,408	490	-463	--	257	--	18	3,161	14,483
Still Gas	--	--	3,385	--	--	--	--	--	--	3,385	--
Miscellaneous Products	--	--	443	--	-46	--	-7	--	1	403	86
Total	84,466	18,092	102,979	84,054	-39,366	-8,918	16,135	98,342	18,118	108,712	332,717

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

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⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

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Table 10. PAD District 2 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 2020
 (Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	254,452	--	--	347,901	-114,607	-17,129	29,754	420,450	20,413	0	156,343
Hydrocarbon Gas Liquids	123,730	-1,936	10,357	7,415	-54,826	--	-8,979	10,826	44,671	38,222	38,306
Natural Gas Liquids	123,730	-1,936	5,356	6,593	-52,115	--	-8,953	10,826	44,671	35,084	38,028
Ethane	39,513	--	--	--	--	--	-554	--	11,778	14,457	4,861
Propane	46,315	--	8,338	5,179	-41,440	--	-8,501	--	683	26,210	11,515
Normal Butane	16,144	--	-19	933	-14,167	--	-534	3,443	570	-2,838	8,611
Isobutane	7,544	--	-705	455	-420	--	348	5,456	4	1,066	2,245
Natural Gasoline	14,214	-1,936	--	26	17,744	--	288	1,927	31,643	-3,810	10,796
Refinery Olefins	--	--	5,001	822	--	--	-26	--	--	3,138	278
Ethylene	--	--	--	--	--	--	-	--	--	--	--
Propylene	--	--	4,877	636	--	--	-36	--	--	2,838	248
Normal Butylene	--	--	124	186	--	--	10	--	--	300	30
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	112,231	--	2,011	-58,232	-11,944	3,735	33,462	10,484	-3,615	73,648
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	112,237	--	307	-76,833	-1,315	755	31,315	2,326	0	9,568
Hydrogen	--	--	--	--	--	4,675	--	4,675	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	112,237	--	307	-76,833	-6,085	752	26,548	2,326	0	9,555
Fuel Ethanol	--	102,766	--	--	-73,165	-1,907	644	25,160	1,890	0	8,508
Renewable Fuels Except Fuel Ethanol	--	9,471	--	307	-3,668	-4,178	108	1,388	435	0	1,047
Other Hydrocarbons	--	--	--	--	--	95	3	92	--	0	13
Unfinished Oils	--	--	--	297	-1,188	--	789	-5,830	7,765	-3,615	14,210
Motor Gasoline Blend.Comp. (MGBC)	--	-6	--	1,407	19,789	-10,629	2,191	7,977	393	0	49,870
Reformulated	--	-3	--	--	4,440	-1,717	52	2,668	--	0	5,655
Conventional	--	-3	--	1,407	15,349	-8,912	2,139	5,309	393	0	44,215
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	305	479,306	4,655	4,500	16,715	3,936	--	4,065	497,480	64,420
Finished Motor Gasoline	--	305	260,954	--	-602	12,536	-727	--	698	273,222	6,594
Reformulated	--	--	36,065	--	--	2,668	--	--	--	38,733	--
Conventional	--	305	224,889	--	-602	9,867	-727	--	698	234,488	6,594
Finished Aviation Gasoline	--	--	40	12	82	--	44	--	--	90	195
Kerosene-Type Jet Fuel	--	--	25,009	--	4,151	--	23	--	701	28,436	6,790
Kerosene	--	--	413	--	--	--	-113	--	5	521	209
Distillate Fuel Oil	--	--	129,070	1,292	9,566	4,179	730	--	379	142,998	32,183
15 ppm sulfur and under	--	--	129,307	1,206	9,278	4,179	914	--	1	143,055	31,373
Greater than 15 ppm to 500 ppm sulfur	--	--	356	--	220	--	-92	--	88	580	388
Greater than 500 ppm sulfur	--	--	-593	86	68	--	-92	--	290	-637	422
Residual Fuel Oil	--	--	--	3,821	472	-2,911	--	-92	--	554	920
Less than 0.31 percent sulfur	--	--	--	267	--	-296	--	-100	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	1,548	303	-1,400	--	59	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	2,006	189	-1,215	--	-51	--	NA	NA
Petrochemical Feedstocks	--	--	--	3,084	646	-376	--	-53	--	--	3,407
Naphtha for Petro. Feed. Use	--	--	--	1,654	346	-353	--	-45	--	--	1,692
Other Oils for Petro. Feed. Use	--	--	--	1,430	300	-23	--	-8	--	--	1,715
Special Naphthas	--	--	--	69	34	96	--	-23	--	--	222
Lubricants	--	--	--	820	529	707	--	158	--	673	1,225
Waxes	--	--	--	138	50	--	--	21	--	126	41
Petroleum Coke	--	--	--	21,734	104	-3,320	--	-883	--	684	18,717
Marketable	--	--	--	16,791	104	-3,320	--	-883	--	684	13,774
Catalyst	--	--	--	4,943	--	--	--	--	--	--	4,943
Asphalt and Road Oil	--	--	--	16,289	1,516	-2,719	--	4,866	--	228	9,992
Still Gas	--	--	--	15,953	--	--	--	--	--	--	15,953
Miscellaneous Products	--	--	--	1,912	--	-174	--	-15	--	16	1,737
Total	378,182	110,600	489,663	361,982	-223,165	-12,358	28,446	464,738	79,632	532,087	332,717

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

5 Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 11. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 2020
 (Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,889	--	--	2,705	-657	-333	561	2,914	130	0
Hydrocarbon Gas Liquids	927	-10	163	48	-456	--	73	41	369	188
Natural Gas Liquids	927	-10	119	41	-433	--	72	41	369	162
Ethane	272	--	--	--	--	--	6	--	86	132
Propane	358	--	58	33	-294	--	21	--	8	125
Normal Butane	118	--	3,471	6	-147	--	57	5	9	-34
Isobutane	67	--	0	2	-14	--	8	30	0	17
Natural Gasoline	112	-10	--	0	70	--	-20	5	266	-79
Refinery Olefins	--	--	43	7	--	--	1	--	--	27
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	41	6	-23	--	1	--	--	23
Normal Butylene	--	--	2	2	--	--	0	--	--	3
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	613	--	13	-292	-103	-131	324	83	-45
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons	--	613	--	4	-413	11	-9	209	15	0
Hydrogen	--	--	--	--	--	35	--	35	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	613	--	4	-413	-25	-9	172	15	0
Fuel Ethanol	--	535	--	--	-387	12	-5	157	7	0
Renewable Fuels Except Fuel Ethanol	--	78	--	4	-26	-38	-5	15	8	0
Other Hydrocarbons	--	--	--	--	--	1	0	1	--	0
Unfinished Oils	--	--	--	3	-15	--	-13	-19	64	-45
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	6	137	-114	-109	134	4	0
Reformulated	--	--	--	--	17	-13	-28	32	--	0
Conventional	--	--	--	6	120	-100	-81	102	4	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	1	3,270	35	93	139	35	--	22	3,480
Finished Motor Gasoline	--	1	1,645	--	-5	101	-16	--	7	1,751
Reformulated	--	--	208	--	--	25	--	--	--	232
Conventional	--	1	1,437	--	-5	77	-16	--	7	1,519
Finished Aviation Gasoline	--	--	--	0	1	--	1	--	--	0
Kerosene-Type Jet Fuel	--	--	102	--	41	--	-20	--	0	162
Kerosene	--	--	-1	--	--	--	-1	--	0	0
Distillate Fuel Oil	--	--	1,074	6	127	38	64	--	3	1,179
15 ppm sulfur and under	--	--	1,073	6	123	38	66	--	0	1,175
Greater than 15 ppm to 500 ppm sulfur	--	--	4	--	2	--	-1	--	1	7
Greater than 500 ppm sulfur	--	--	-3	0	2	--	0	--	2	-3
Residual Fuel Oil	--	--	25	2	-27	--	1	--	6	-8
Less than 0.31 percent sulfur	--	--	3	--	-2	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	12	2	-14	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	10	--	-12	--	1	--	NA	NA
Petrochemical Feedstocks	--	--	23	5	-1	--	0	--	--	27
Naphtha for Petro. Feed. Use	--	--	11	3	-1	--	0	--	--	13
Other Oils for Petro. Feed. Use	--	--	12	3	--	--	0	--	--	14
Special Naphthas	--	--	0	0	1	--	1	--	--	1
Lubricants	--	--	6	3	5	--	4	--	3	8
Waxes	--	--	1	0	--	--	0	--	1	0
Petroleum Coke	--	--	154	1	-33	--	-8	--	3	128
Marketable	--	--	122	1	-33	--	-8	--	3	96
Catalyst	--	--	32	--	--	--	--	--	--	32
Asphalt and Road Oil	--	--	114	16	-15	--	9	--	1	105
Still Gas	--	--	113	--	--	--	--	--	--	113
Miscellaneous Products	--	--	15	--	-2	--	0	--	0	13
Total	2,816	603	3,433	2,802	-1,312	-297	538	3,278	604	3,624

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 12. PAD District 2 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 2020
 (Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	2,103	--	--	2,875	-947	-142	246	3,475	169	0
Hydrocarbon Gas Liquids	1,023	-16	86	61	-453	--	-74	89	369	316
Natural Gas Liquids	1,023	-16	44	54	-431	--	-74	89	369	290
Ethane	327	--	--	--	--	--	-5	--	97	119
Propane	383	--	69	43	-342	--	-70	--	6	217
Normal Butane	133	--	-19	8	-117	--	-4	28	5	-23
Isobutane	62	--	-6	4	-3	--	3	45	0	9
Natural Gasoline	117	-16	--	0	147	--	2	16	262	-31
Refinery Olefins	--	--	41	7	--	--	0	--	--	26
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	40	5	-22	--	0	--	--	23
Normal Butylene	--	--	--	1	2	--	0	--	--	2
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	928	--	17	-481	-99	31	277	87	-30
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons	--	928	--	3	-635	-11	6	259	19	0
Hydrogen	--	--	--	--	--	39	--	39	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	928	--	3	-635	-50	6	219	19	0
Fuel Ethanol	--	849	--	--	-605	-16	5	208	16	0
Renewable Fuels Except Fuel Ethanol	--	78	--	3	-30	-35	1	11	4	0
Other Hydrocarbons	--	--	--	--	--	1	0	1	--	0
Unfinished Oils	--	--	--	2	-10	--	7	-48	64	-30
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	12	164	-88	18	66	3	0
Reformulated	--	0	--	--	37	-14	0	22	--	0
Conventional	--	0	--	12	127	-74	18	44	3	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	3	3,961	38	37	138	33	--	34	4,111
Finished Motor Gasoline	--	3	2,157	--	-5	104	-6	--	6	2,258
Reformulated	--	--	298	--	--	22	--	--	--	320
Conventional	--	3	1,859	--	-5	82	-6	--	6	1,938
Finished Aviation Gasoline	--	--	0	0	1	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	207	--	34	--	0	--	6	235
Kerosene	--	--	3	--	--	--	-1	--	0	4
Distillate Fuel Oil	--	--	1,067	11	79	35	6	--	3	1,182
15 ppm sulfur and under	--	--	1,069	10	77	35	8	--	0	1,182
Greater than 15 ppm to 500 ppm sulfur	--	--	3	--	2	--	-1	--	1	5
Greater than 500 ppm sulfur	--	--	-5	1	1	--	-1	--	2	-5
Residual Fuel Oil	--	--	32	4	-24	--	-1	--	5	8
Less than 0.31 percent sulfur	--	--	2	--	-2	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	13	3	-12	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	17	1	-10	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	25	5	-3	--	0	--	--	28
Naphtha for Petro. Feed. Use	--	--	14	3	-3	--	0	--	--	14
Other Oils for Petro. Feed. Use	--	--	12	2	0	--	0	--	--	14
Special Naphthas	--	--	1	0	1	--	0	--	--	2
Lubricants	--	--	7	4	6	--	1	--	6	10
Waxes	--	--	1	0	--	--	0	--	1	0
Petroleum Coke	--	--	180	1	-27	--	-7	--	6	155
Marketable	--	--	139	1	-27	--	-7	--	6	114
Catalyst	--	--	41	--	--	--	--	--	--	41
Asphalt and Road Oil	--	--	135	13	-22	--	40	--	2	83
Still Gas	--	--	132	--	--	--	--	--	--	132
Miscellaneous Products	--	--	16	--	-1	--	0	--	0	14
Total	3,125	914	4,047	2,992	-1,844	-102	235	3,841	658	4,397

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 13. PAD District 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 2020
 (Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil ⁶	250,737	--	--	43,023	29,229	11,353	30,589	217,152	86,601	0	916,904
Hydrocarbon Gas Liquids	87,924	-7	13,018	-	19,655	--	10,737	5,622	41,115	63,116	142,161
Natural Gas Liquids	87,924	-7	7,103	-	19,307	--	10,922	5,622	41,115	56,668	139,470
Ethane	35,630	--	215	-	--	--	-2,459	--	2,651	43,424	43,088
Propane	28,116	--	3,813	-	6,951	--	378	--	30,154	8,348	43,431
Normal Butane	6,744	--	3,471	-	3,787	--	5,649	1,711	8,113	-1,471	24,206
Isobutane	8,312	--	-396	-	1,204	--	1,387	2,400	148	5,185	11,054
Natural Gasoline	9,122	-7	--	-	-406	--	5,967	1,511	48	1,183	17,691
Refinery Olefins	--	--	5,915	-	--	--	-185	--	--	6,448	2,691
Ethylene	--	--	12	-	--	--	0	--	--	12	0
Propylene	--	--	6,187	-	--	--	-3	--	--	6,538	1,089
Normal Butylene	--	--	-267	-	--	--	-182	--	--	-85	1,602
Isobutylene	--	--	-17	-	--	--	0	--	--	-17	0
Other Liquids	--	996	--	11,892	-38,638	6,142	-311	-35,339	11,853	4,190	140,113
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	996	--	142	3,133	5,006	360	6,874	2,044	0	7,441
Hydrogen	--	--	--	-	-	3,475	--	3,475	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	996	--	128	3,133	1,545	360	3,399	2,044	0	7,441
Fuel Ethanol	--	294	--	-	2,995	1,561	-12	2,957	1,905	0	5,277
Renewable Fuels Except Fuel Ethanol	--	702	--	128	138	-15	372	442	139	0	2,164
Other Hydrocarbons	--	--	--	14	-	-14	-	-	-	0	-
Unfinished Oils	--	--	--	11,255	-296	--	-5,619	3,993	8,383	4,202	50,728
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	495	-41,475	1,136	4,933	-46,203	1,426	0	81,903
Reformulated	--	--	--	-	-7,441	1,371	-646	-5,473	49	0	11,036
Conventional	--	--	--	495	-34,034	-235	5,579	-40,730	1,377	0	70,867
Aviation Gasoline Blend. Comp.	--	--	--	-	--	--	15	-3	-	-12	41
Finished Petroleum Products	--	-	188,658	6,324	-44,214	-2,172	10,467	--	67,820	70,309	117,530
Finished Motor Gasoline	--	-	48,664	-	-2,103	-2,697	882	--	18,746	24,236	8,726
Reformulated	--	-	8,349	-	-	-1,615	-	--	-	6,734	-
Conventional	--	-	40,315	-	-2,103	-1,081	882	--	18,746	17,502	8,726
Finished Aviation Gasoline	--	-	249	33	-118	--	58	--	-	106	575
Kerosene-Type Jet Fuel	--	-	10,383	650	-6,515	--	1,298	--	1,540	1,680	12,559
Kerosene	--	-	65	-	-	--	-126	--	45	146	183
Distillate Fuel Oil	--	-	90,453	-	-36,178	524	6,747	--	28,552	19,500	51,033
15 ppm sulfur and under	--	-	83,894	-	-35,054	524	7,072	--	22,205	20,088	43,833
Greater than 15 ppm to 500 ppm sulfur	--	-	2,025	-	-92	--	206	--	2,538	-811	1,814
Greater than 500 ppm sulfur	--	-	4,534	-	-1,032	--	-531	--	3,809	224	5,386
Residual Fuel Oil	--	-	1,230	3,540	477	--	1,131	--	3,366	750	21,454
Less than 0.31 percent sulfur	--	-	894	-	-385	--	882	--	NA	NA	2,590
0.31 to 1.00 percent sulfur	--	-	393	-	502	--	-335	--	NA	NA	3,189
Greater than 1.00 percent sulfur	--	-	57	3,540	360	--	584	--	NA	NA	15,675
Petrochemical Feedstocks	--	-	7,583	334	23	--	134	--	--	7,806	2,384
Naphtha for Petro. Feed. Use	--	-	3,748	308	23	--	51	--	--	4,028	1,673
Other Oils for Petro. Feed. Use	--	-	3,835	26	-	--	83	--	--	3,778	711
Special Naphthas	--	-	976	630	-33	--	-17	--	--	1,590	847
Lubricants	--	-	3,455	829	-446	--	837	--	1,368	1,633	9,717
Waxes	--	-	101	37	-	--	34	--	18	86	250
Petroleum Coke	--	-	12,739	271	791	--	-406	--	13,911	296	3,312
Marketable	--	-	10,100	271	791	--	-406	--	13,911	-2,343	3,312
Catalyst	--	-	2,639	--	--	--	--	--	--	2,639	--
Asphalt and Road Oil	--	-	2,021	-	-109	--	-153	--	253	1,812	6,084
Still Gas	--	-	9,203	--	--	--	--	--	--	9,203	--
Miscellaneous Products	--	-	1,536	-	-3	--	48	--	19	1,466	406
Total	338,661	989	201,676	61,239	-33,967	15,323	51,482	187,435	207,388	137,615	1,316,708

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

5 Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

6 Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 14. PAD District 3 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 2020
 (Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil⁶	1,036,560	--	--	177,922	141,855	81,320	60,832	994,821	382,005	0	916,904
Hydrocarbon Gas Liquids	357,728	-49	45,651	101	75,898	--	-4,701	37,065	181,339	265,626	142,161
Natural Gas Liquids	357,728	-49	22,281	35	74,663	--	-5,133	37,065	181,339	241,387	139,470
Ethane	150,343	--	765	--	--	--	-7,601	--	15,367	184,614	43,088
Propane	112,724	--	18,182	35	29,893	--	-6,241	--	132,058	35,017	43,431
Normal Butane	22,933	--	4,713	--	10,863	--	-1,930	14,670	33,183	-7,414	24,206
Isobutane	36,601	--	-1,379	--	3,375	--	2,575	12,807	447	22,768	11,054
Natural Gasoline	35,127	-49	--	--	-10,740	--	8,064	9,588	284	6,402	17,691
Refinery Olefins	--	--	23,370	66	--	--	432	--	--	24,239	2,691
Ethylene	--	--	34	--	--	--	0	--	--	34	--
Propylene	--	--	23,830	--	--	--	-135	--	--	25,200	1,089
Normal Butylene	--	--	390	66	--	--	572	--	--	-896	1,602
Isobutylene	--	--	-104	--	--	--	-5	--	--	-99	0
Other Liquids	--	4,548	--	65,629	-204,395	24,302	2,895	-180,903	49,294	18,797	140,113
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	4,548	--	215	22,169	17,804	1,890	32,145	10,701	0	7,441
Hydrogen	--	--	--	--	15,173	--	15,173	--	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	4,548	--	185	22,169	2,661	1,890	16,972	10,701	0	7,441
Fuel Ethanol	--	2,255	--	--	22,021	3,393	1,314	15,800	10,555	0	5,277
Renewable Fuels Except Fuel Ethanol	--	2,293	--	185	148	-732	576	1,172	146	0	2,164
Other Hydrocarbons	--	--	--	30	--	-30	--	--	--	0	--
Unfinished Oils	--	--	--	60,242	276	--	1,492	8,824	31,344	18,858	50,728
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	5,172	-226,840	6,497	-486	-221,934	7,249	0	81,903
Reformulated	--	--	--	--	-41,873	21,632	49	-20,691	401	0	11,036
Conventional	--	--	--	5,172	-184,967	-15,135	-535	-201,243	6,848	0	70,867
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-1	62	--	-61	41
Finished Petroleum Products	--	-	871,118	21,188	-191,556	-8,055	7,168	--	329,180	356,347	117,530
Finished Motor Gasoline	--	--	254,101	--	-11,374	-9,890	-673	--	87,381	146,128	8,726
Reformulated	--	--	46,743	--	--	-20,290	--	--	--	26,453	--
Conventional	--	--	207,358	--	-11,374	10,399	-673	--	87,381	119,675	8,726
Finished Aviation Gasoline	--	--	993	33	-369	--	15	--	--	642	575
Kerosene-Type Jet Fuel	--	--	89,315	650	-56,772	--	-1,818	--	17,063	17,948	12,559
Kerosene	--	--	332	--	-317	--	-100	--	118	-3	183
Distillate Fuel Oil	--	--	355,580	--	-125,077	1,836	6,676	--	138,490	87,173	51,033
15 ppm sulfur and under	--	--	324,964	--	-120,487	1,836	7,297	--	112,565	86,450	43,833
Greater than 15 ppm to 500 ppm sulfur	--	--	12,536	--	-411	--	-263	--	12,601	-213	1,814
Greater than 500 ppm sulfur	--	--	18,080	--	-4,179	--	-358	--	13,323	936	5,386
Residual Fuel Oil	--	--	8,846	12,206	2,265	--	3,845	--	16,435	3,037	21,454
Less than 0.31 percent sulfur	--	--	4,205	--	-312	--	957	--	NA	NA	2,590
0.31 to 1.00 percent sulfur	--	--	1,869	731	1,362	--	413	--	NA	NA	3,189
Greater than 1.00 percent sulfur	--	--	2,772	11,475	1,215	--	2,475	--	NA	NA	15,675
Petrochemical Feedstocks	--	--	30,051	1,190	376	--	-197	--	--	31,814	2,384
Naphtha for Petro. Feed. Use	--	--	18,515	1,122	353	--	-49	--	--	20,039	1,673
Other Oils for Petro. Feed. Use	--	--	11,536	68	23	--	-148	--	--	11,775	711
Special Naphthas	--	--	3,922	1,714	-96	--	-123	--	--	5,663	847
Lubricants	--	--	13,557	4,061	-2,743	--	21	--	8,537	6,317	9,717
Waxes	--	--	265	142	--	--	-26	--	140	293	250
Petroleum Coke	--	--	56,883	1,159	2,932	--	-1,743	--	59,201	3,516	3,312
Marketable	--	--	45,380	1,159	2,932	--	-1,743	--	59,201	-7,987	3,312
Catalyst	--	--	11,503	--	--	--	--	--	--	11,503	--
Asphalt and Road Oil	--	--	8,737	33	-376	--	1,294	--	1,686	5,414	6,084
Still Gas	--	--	42,151	--	--	--	--	--	--	42,151	--
Miscellaneous Products	--	--	6,385	--	-6	--	-3	--	129	6,253	406
Total	1,394,288	4,499	916,769	264,840	-178,198	97,567	66,194	850,983	941,819	640,770	1,316,708

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey," Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 15. PAD District 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 2020
 (Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil⁶	8,358	--	--	1,434	974	378	1,020	7,238	2,887	0
Hydrocarbon Gas Liquids	2,931	0	434	-	655	--	358	187	1,370	2,104
Natural Gas Liquids	2,931	0	237	-	644	--	364	187	1,370	1,889
Ethane	1,188	--	7	-	-	--	-82	--	88	1,447
Propane	937	--	127	-	232	--	13	--	1,005	278
Normal Butane	225	--	116	-	126	--	188	57	270	-49
Isobutane	277	--	-13	-	40	--	46	80	5	173
Natural Gasoline	304	0	--	-	-14	--	199	50	2	39
Refinery Olefins	--	--	197	-	-	--	-6	--	--	215
Ethylene	--	--	0	-	-	--	0	--	--	0
Propylene	--	--	206	-	12	--	0	--	--	218
Normal Butylene	--	--	-9	-	-	--	-6	--	--	-3
Isobutylene	--	--	-1	-	-	--	0	--	--	-1
Other Liquids	--	33	--	396	-1,288	205	-10	-1,178	395	140
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	33	--	5	104	167	12	229	68	0
Hydrogen	--	--	--	-	-	116	--	116	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	33	--	4	104	52	12	113	68	0
Fuel Ethanol	--	10	--	-	100	52	0	99	63	0
Renewable Fuels Except Fuel Ethanol	--	23	--	4	5	-1	12	15	5	0
Other Hydrocarbons	--	--	--	0	-	0	-	-	-	0
Unfinished Oils	--	--	--	375	-10	--	-187	133	279	140
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	17	-1,383	38	164	-1,540	48	0
Reformulated	--	--	--	-	-248	46	-22	-182	2	0
Conventional	--	--	--	17	-1,134	-8	186	-1,358	46	0
Aviation Gasoline Blend. Comp.	--	--	--	-	-	1	0	-	-	0
Finished Petroleum Products	--	-	6,289	211	-1,474	-72	349	--	2,261	2,344
Finished Motor Gasoline	--	-	1,622	-	-70	-90	29	--	625	808
Reformulated	--	-	278	-	-	-54	--	--	--	224
Conventional	--	-	1,344	-	-70	-36	29	--	625	583
Finished Aviation Gasoline	--	--	8	1	-4	--	2	--	--	4
Kerosene-Type Jet Fuel	--	--	346	22	-217	--	43	--	51	56
Kerosene	--	--	2	-	-	--	-4	--	2	5
Distillate Fuel Oil	--	--	3,015	-	-1,206	17	225	--	952	650
15 ppm sulfur and under	--	--	2,796	-	-1,168	17	236	--	740	670
Greater than 15 ppm to 500 ppm sulfur	--	--	68	-	-3	--	7	--	85	-27
Greater than 500 ppm sulfur	--	--	151	-	-34	--	-18	--	127	7
Residual Fuel Oil	--	--	41	118	16	--	38	--	112	25
Less than 0.31 percent sulfur	--	--	30	-	-13	--	29	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	13	-	17	--	-11	--	NA	NA
Greater than 1.00 percent sulfur	--	--	-2	118	12	--	19	--	NA	NA
Petrochemical Feedstocks	--	--	253	11	1	--	4	--	--	260
Naphtha for Petro. Feed. Use	--	--	125	10	1	--	2	--	--	134
Other Oils for Petro. Feed. Use	--	--	128	1	-	--	3	--	--	126
Special Naphthas	--	--	33	21	-1	--	-1	--	--	53
Lubricants	--	--	115	28	-15	--	28	--	46	54
Waxes	--	--	3	1	-	--	1	--	1	3
Petroleum Coke	--	--	425	9	26	--	-14	--	464	10
Marketable	--	--	337	9	26	--	-14	--	464	-78
Catalyst	--	--	88	-	-	--	-	--	--	88
Asphalt and Road Oil	--	--	67	-	-4	--	-5	--	8	60
Still Gas	--	--	307	-	-	--	-	--	--	307
Miscellaneous Products	--	--	51	-	0	--	2	--	1	49
Total	11,289	33	6,723	2,041	-1,132	511	1,716	6,248	6,913	4,587

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 16. PAD District 3 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 2020
 (Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil ⁶	8,567	--	--	1,470	1,172	672	503	8,222	3,157	0
Hydrocarbon Gas Liquids	2,956	0	377	1	627	--	-39	306	1,499	2,195
Natural Gas Liquids	2,956	0	184	0	617	--	-42	306	1,499	1,995
Ethane	1,243	--	6	-	-	--	-63	--	127	1,526
Propane	932	--	150	0	247	--	-52	--	1,091	289
Normal Butane	190	--	-48	-	90	--	-16	121	274	-61
Isobutane	302	--	-11	-	28	--	21	106	4	188
Natural Gasoline	290	0	--	-	-89	--	67	79	2	53
Refinery Olefins	--	--	193	1	-	--	4	--	--	200
Ethylene	--	--	0	-	-	--	0	--	--	0
Propylene	--	--	197	-	10	--	-1	--	--	208
Normal Butylene	--	--	-3	1	-	--	5	--	--	-7
Isobutylene	--	--	-1	-	--	--	0	--	--	-1
Other Liquids	--	38	--	542	-1,689	201	24	-1,495	407	155
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons	--	38	--	2	183	147	16	266	88	0
Hydrogen	--	--	--	-	-	125	--	125	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	38	--	2	183	22	16	140	88	0
Fuel Ethanol	--	19	--	-	182	28	11	131	87	0
Renewable Fuels Except Fuel Ethanol	--	19	--	2	1	-6	5	10	1	0
Other Hydrocarbons	--	--	--	0	-	0	-	-	--	0
Unfinished Oils	--	--	--	498	2	--	12	73	259	156
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	43	-1,875	54	-4	-1,834	60	0
Reformulated	--	--	--	-	-346	179	0	-171	3	0
Conventional	--	--	--	43	-1,529	-125	-4	-1,663	57	0
Aviation Gasoline Blend. Comp.	--	--	--	-	--	--	0	1	--	-1
Finished Petroleum Products	--	-	7,199	175	-1,583	-67	59	--	2,720	2,945
Finished Motor Gasoline	--	-	2,100	-	-94	-82	-6	--	722	1,208
Reformulated	--	-	386	-	-	-168	-	--	-	219
Conventional	--	-	1,714	-	-94	86	-6	--	722	989
Finished Aviation Gasoline	--	-	8	0	-3	--	0	--	-	5
Kerosene-Type Jet Fuel	--	-	738	5	-469	--	-15	--	141	148
Kerosene	--	-	3	-	-3	--	-1	--	1	0
Distillate Fuel Oil	--	-	2,939	-	-1,034	15	55	--	1,145	720
15 ppm sulfur and under	--	-	2,686	-	-996	15	60	--	930	714
Greater than 15 ppm to 500 ppm sulfur	--	-	104	-	-3	--	-2	--	104	-2
Greater than 500 ppm sulfur	--	-	149	-	-35	--	-3	--	110	8
Residual Fuel Oil	--	-	73	101	19	--	32	--	136	25
Less than 0.31 percent sulfur	--	-	35	-	-3	--	8	--	NA	NA
0.31 to 1.00 percent sulfur	--	-	15	6	11	--	3	--	NA	NA
Greater than 1.00 percent sulfur	--	-	23	95	10	--	20	--	NA	NA
Petrochemical Feedstocks	--	-	248	10	3	--	-2	--	--	263
Naphtha for Petro. Feed. Use	--	-	153	9	3	--	0	--	--	166
Other Oils for Petro. Feed. Use	--	-	95	1	0	--	-1	--	--	97
Special Naphthas	--	-	32	14	-1	--	-1	--	--	47
Lubricants	--	-	112	34	-23	--	0	--	71	52
Waxes	--	-	2	1	-	--	0	--	1	2
Petroleum Coke	--	-	470	10	24	--	-14	--	489	29
Marketable	--	-	375	10	24	--	-14	--	489	-66
Catalyst	--	-	95	--	--	--	--	--	-	95
Asphalt and Road Oil	--	-	72	0	-3	--	11	--	14	45
Still Gas	--	-	348	--	--	--	--	--	--	348
Miscellaneous Products	--	-	53	-	0	--	0	--	1	52
Total	11,523	37	7,577	2,189	-1,473	806	547	7,033	7,784	5,296

-- = Not Applicable.

= No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey," Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 17. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 2020
 (Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	26,219	--	--	10,138	-19,128	-1,848	2,163	13,218	-	0	25,477
Hydrocarbon Gas Liquids	13,508	-4	404	296	-8,847	--	315	300	57	4,685	3,598
Natural Gas Liquids	13,508	-4	371	296	-8,847	--	333	300	57	4,634	3,512
Ethane	2,768	--	--	--	--	--	31	--	--	948	459
Propane	5,434	--	169	275	-3,253	--	42	--	0	2,583	1,339
Normal Butane	2,140	--	189	19	-1,536	--	285	105	28	394	1,015
Isobutane	1,012	--	13	2	-809	--	-21	141	--	98	287
Natural Gasoline	2,154	-4	--	--	-1,460	--	-4	54	29	611	412
Refinery Olefins	--	--	--	33	--	--	-18	--	--	51	86
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	4	--	--	0	--	--	4	0
Normal Butylene	--	--	29	--	--	--	-18	--	--	47	86
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	149	--	46	379	-860	-1,046	510	38	212	9,833
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	149	--	27	497	105	-44	784	38	0	470
Hydrogen	--	--	--	--	--	191	--	191	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	149	--	27	497	-86	-44	593	38	0	470
Fuel Ethanol	--	149	--	--	497	-160	-64	542	8	0	389
Renewable Fuels Except Fuel Ethanol	--	0	--	27	--	74	20	51	30	0	81
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-324	112	--	212	3,094
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	19	-118	-965	-678	-386	0	0	6,269
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	--	-118	-965	-678	-386	0	6,269
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	-	14,174	211	-1,320	1,064	-636	--	12	14,752	9,508
Finished Motor Gasoline	--	-	5,921	--	-641	1,125	-169	--	--	6,574	2,104
Reformulated	--	-	--	--	--	--	--	--	--	--	--
Conventional	--	-	5,921	--	-641	1,125	-169	--	--	6,574	2,104
Finished Aviation Gasoline	--	-	4	--	--	--	-2	--	--	6	4
Kerosene-Type Jet Fuel	--	-	462	--	-20	--	-102	--	--	544	693
Kerosene	--	-	--	--	--	--	-1	--	--	1	1
Distillate Fuel Oil	--	-	5,354	169	-134	-61	-252	--	0	5,580	3,939
15 ppm sulfur and under	--	-	5,243	169	-134	-61	-241	--	0	5,458	3,717
Greater than 15 ppm to 500 ppm sulfur	--	-	93	--	--	--	-29	--	--	122	154
Greater than 500 ppm sulfur	--	-	18	--	--	--	18	--	--	0	68
Residual Fuel Oil	--	-	302	--	--	--	-26	--	8	320	201
Less than 0.31 percent sulfur	--	-	178	--	--	--	17	--	NA	NA	29
0.31 to 1.00 percent sulfur	--	-	6	--	--	--	-17	--	NA	NA	4
Greater than 1.00 percent sulfur	--	-	118	--	--	--	-26	--	NA	NA	168
Petrochemical Feedstocks	--	-	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	-	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	-	--	--	--	--	--	--	--	--	--
Special Naphthas	--	-	--	--	--	--	--	--	--	--	--
Lubricants	--	-	--	--	--	--	--	--	4	-4	--
Waxes	--	-	--	--	--	--	--	--	0	0	--
Petroleum Coke	--	-	534	--	-200	--	-22	--	--	356	172
Marketable	--	-	383	--	-200	--	-22	--	--	205	172
Catalyst	--	-	151	--	--	--	--	--	--	151	--
Asphalt and Road Oil	--	-	984	41	-325	--	-57	--	0	757	2,382
Still Gas	--	-	531	--	--	--	--	--	--	531	--
Miscellaneous Products	--	-	82	1	--	--	-5	--	--	88	12
Total	39,727	145	14,578	10,691	-28,917	-1,644	796	14,028	108	19,649	48,416

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

5 Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 18. PAD District 4 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 2020
 (Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	112,362	--	--	45,685	-80,602	-7,776	1,797	67,658	214	0	25,477
Hydrocarbon Gas Liquids	54,929	-34	921	1,482	-36,087	--	-254	2,071	523	18,871	3,598
Natural Gas Liquids	54,929	-34	705	1,482	-36,087	--	-265	2,071	523	18,666	3,512
Ethane	12,060	--	--	--	--	--	-97	--	--	3,512	459
Propane	21,696	--	829	1,300	-12,760	--	-354	--	1	11,418	1,339
Normal Butane	8,410	--	-48	138	-5,505	--	130	845	233	1,787	1,015
Isobutane	4,226	--	-76	44	-3,241	--	14	619	--	320	287
Natural Gasoline	8,537	-34	--	--	-5,936	--	42	607	288	1,630	412
Refinery Olefins	--	--	216	--	--	--	11	--	--	205	86
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	27	--	--	--	0	--	--	27	0
Normal Butylene	--	--	189	--	--	--	11	--	--	178	86
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	1,338	--	245	948	-2,461	-168	-474	43	669	9,833
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	1,338	--	99	1,404	1,212	8	4,004	41	0	470
Hydrogen	--	--	--	--	--	826	--	826	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) ...	--	1,338	--	99	1,404	386	8	3,178	41	0	470
Fuel Ethanol	--	1,338	--	--	1,299	368	-11	3,008	8	0	389
Renewable Fuels Except Fuel Ethanol	--	0	--	99	105	18	19	170	33	0	81
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-87	-583	1	669	3,094
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	146	-456	-3,674	-89	-3,895	0	0	6,269
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-456	-3,674	-89	-3,895	0	0	6,269
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	-	71,233	760	-5,248	3,301	228	--	60	69,758	9,508
Finished Motor Gasoline	--	--	32,642	--	-2,575	3,306	183	--	1	33,188	2,104
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	32,642	--	-2,575	3,306	183	--	1	33,188	2,104
Finished Aviation Gasoline	--	--	17	--	--	--	-4	--	--	21	4
Kerosene-Type Jet Fuel	--	--	3,025	62	2,098	--	-16	--	--	5,201	693
Kerosene	--	--	2	--	--	--	0	--	--	2	1
Distillate Fuel Oil	--	--	23,790	539	-1,338	-4	-709	--	0	23,696	3,939
15 ppm sulfur and under	--	--	23,455	539	-1,338	-4	-706	--	0	23,358	3,717
Greater than 15 ppm to 500 ppm sulfur	--	--	355	--	--	--	16	--	--	339	154
Greater than 500 ppm sulfur	--	--	-20	--	--	--	-19	--	--	-1	68
Residual Fuel Oil	--	--	1,371	--	--	--	-56	--	16	1,411	201
Less than 0.31 percent sulfur	--	--	731	--	--	--	-4	--	NA	NA	29
0.31 to 1.00 percent sulfur	--	--	100	--	--	--	-13	--	NA	NA	4
Greater than 1.00 percent sulfur	--	--	540	--	--	--	-39	--	NA	NA	168
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	38	-38	--
Waxes	--	--	--	--	--	--	--	--	1	-1	--
Petroleum Coke	--	--	2,813	--	-1,111	--	-17	--	--	1,719	172
Marketable	--	--	2,021	--	-1,111	--	-17	--	--	927	172
Catalyst	--	--	792	--	--	--	--	--	--	792	--
Asphalt and Road Oil	--	--	4,663	155	-2,322	--	852	--	3	1,642	2,382
Still Gas	--	--	2,496	--	--	--	--	--	--	2,496	--
Miscellaneous Products	--	--	414	4	--	--	-5	--	0	423	12
Total	167,291	1,304	72,154	48,172	-120,989	-6,936	1,603	69,255	840	89,298	48,416

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

5 Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 19. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 2020
 (Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	874	--	--	338	-638	-62	72	441	-	0
Hydrocarbon Gas Liquids	450	0	13	10	-295	--	11	10	2	156
Natural Gas Liquids	450	0	12	10	-295	--	11	10	2	154
Ethane	92	--	--	--	--	--	1	--	--	32
Propane	181	--	6	9	-108	--	1	--	0	86
Normal Butane	71	--	6	1	-51	--	10	4	1	13
Isobutane	34	--	0	0	-27	--	-1	5	--	3
Natural Gasoline	72	0	--	--	-49	--	0	2	1	20
Refinery Olefins	--	--	1	--	--	--	-1	--	--	2
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	0	--	--	--	0	--	--	0
Normal Butylene	--	--	1	--	--	--	-1	--	--	2
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	5	--	2	13	-29	-35	17	1	7
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons	--	5	--	1	17	4	-1	26	1	0
Hydrogen	--	--	--	--	--	6	--	6	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	5	--	1	17	-3	-1	20	1	0
Fuel Ethanol	--	5	--	--	17	-5	-2	18	0	0
Renewable Fuels Except Fuel Ethanol	--	0	--	1	--	2	1	2	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-11	4	--	7
Motor Gasoline Blend.Comp. (MGB)	--	--	--	1	-4	-32	-23	-13	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-4	-32	-23	-13	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	472	7	-44	35	-21	--	0	492
Finished Motor Gasoline	--	--	197	--	-21	37	-6	--	--	219
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	197	--	-21	37	-6	--	--	219
Finished Aviation Gasoline	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	15	--	-1	--	-3	--	--	18
Kerosene	--	--	--	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	178	6	-4	-2	-8	--	0	186
15 ppm sulfur and under	--	--	175	6	-4	-2	-8	--	0	182
Greater than 15 ppm to 500 ppm sulfur	--	--	3	--	--	--	-1	--	--	4
Greater than 500 ppm sulfur	--	--	1	--	--	--	1	--	--	0
Residual Fuel Oil	--	--	10	--	--	--	-1	--	0	11
Less than 0.31 percent sulfur	--	--	6	--	--	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	0	--	--	--	-1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	18	--	-7	--	-1	--	--	12
Marketable	--	--	13	--	-7	--	-1	--	--	7
Catalyst	--	--	5	--	--	--	--	--	--	5
Asphalt and Road Oil	--	--	33	1	-11	--	-2	--	0	25
Still Gas	--	--	18	--	--	--	--	--	--	18
Miscellaneous Products	--	--	3	0	--	--	0	--	--	3
Total	1,324	5	486	356	-964	-55	27	468	4	655

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

5 Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate," and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 20. PAD District 4 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 2020
 (Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	929	--	--	378	-666	-64	15	559	2	0
Hydrocarbon Gas Liquids	454	0	8	12	-298	--	-2	17	4	156
Natural Gas Liquids	454	0	6	12	-298	--	-2	17	4	154
Ethane	100	--	--	--	--	--	-1	--	--	29
Propane	179	--	7	11	-105	--	-3	--	0	94
Normal Butane	70	--	0	1	-45	--	1	7	2	15
Isobutane	35	--	-1	0	-27	--	0	5	--	3
Natural Gasoline	71	0	--	--	-49	--	0	5	2	13
Refinery Olefins	--	--	2	--	--	--	0	--	--	2
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	0	--	--	--	0	--	--	0
Normal Butylene	--	--	2	--	--	--	0	--	--	1
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	11	--	2	8	-20	-1	-4	0	6
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons	--	11	--	1	12	10	0	33	0	0
Hydrogen	--	--	--	--	--	7	--	7	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	11	--	1	12	3	0	26	0	0
Fuel Ethanol	--	11	--	--	11	3	0	25	0	0
Renewable Fuels Except Fuel Ethanol	--	0	--	1	1	0	0	1	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-1	-5	0	6
Motor Gasoline Blend.Comp. (MGB)	--	--	--	1	-4	-30	-1	-32	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-4	-30	-1	-32	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	-	589	6	-43	27	2	--	0	577
Finished Motor Gasoline	--	--	270	--	-21	27	2	--	0	274
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	270	--	-21	27	2	--	0	274
Finished Aviation Gasoline	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	25	1	17	--	0	--	--	43
Kerosene	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	197	4	-11	0	-6	--	0	196
15 ppm sulfur and under	--	--	194	4	-11	0	-6	--	0	193
Greater than 15 ppm to 500 ppm sulfur	--	--	3	--	--	--	0	--	--	3
Greater than 500 ppm sulfur	--	--	0	--	--	--	0	--	--	0
Residual Fuel Oil	--	--	11	--	--	--	0	--	0	12
Less than 0.31 percent sulfur	--	--	6	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	23	--	-9	--	0	--	--	14
Marketable	--	--	17	--	-9	--	0	--	--	8
Catalyst	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	39	1	-19	--	7	--	0	14
Still Gas	--	--	21	--	--	--	--	--	--	21
Miscellaneous Products	--	--	3	0	--	--	0	--	0	3
Total	1,383	11	596	398	-1,000	-57	13	572	7	738

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

5 Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate," and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 21. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 2020
 (Thousands Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	26,364	--	--	21,051	4,719	-928	-602	49,995	1,813	0	56,298
Hydrocarbon Gas Liquids	1,692	-2	1,422	1,198	927	--	841	1,803	1,313	1,280	3,249
Natural Gas Liquids	1,692	-2	1,259	1,167	927	--	842	1,803	1,313	1,085	3,199
Ethane	1	--	--	--	--	--	--	--	0	1	--
Propane	263	--	826	823	243	--	396	--	847	912	864
Normal Butane	377	--	369	338	405	--	488	415	464	122	1,783
Isobutane	256	--	64	6	279	--	-45	674	0	-24	500
Natural Gasoline	795	-2	--	--	--	--	3	714	3	73	52
Refinery Olefins	--	--	163	31	--	--	-1	--	--	195	50
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	165	--	--	--	5	--	--	160	16
Normal Butylene	--	--	-2	31	--	--	-6	--	--	35	34
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	422	--	2,609	5,405	-2,967	-5,305	8,146	2,309	318	54,271
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	422	--	701	2,506	443	-589	4,413	247	0	4,696
Hydrogen	--	--	--	--	--	1,053	--	1,053	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	422	--	701	2,506	-610	-589	3,360	247	0	4,696
Fuel Ethanol	--	136	--	--	2,070	218	-513	2,776	161	0	3,012
Renewable Fuels Except Fuel Ethanol	--	286	--	701	436	-828	-76	584	87	0	1,684
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1,138	--	--	-911	474	1,257	318	20,476
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	770	2,899	-3,410	-3,805	3,259	805	0	29,099
Reformulated	--	--	--	--	1,544	-1,356	-1,535	1,723	0	0	14,600
Conventional	--	--	--	770	1,355	-2,054	-2,270	1,536	805	0	14,499
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	-	61,153	3,774	1,426	3,426	2,001	--	12,174	55,603	37,545
Finished Motor Gasoline	--	-	29,487	417	433	3,192	-190	--	3,777	29,942	2,514
Reformulated	--	-	19,221	--	--	1,551	9	--	--	20,763	21
Conventional	--	-	10,266	417	433	1,641	-199	--	3,777	9,179	2,493
Finished Aviation Gasoline	--	-	30	2	--	--	7	--	--	25	327
Kerosene-Type Jet Fuel	--	-	4,708	2,568	-22	--	282	--	441	6,531	9,659
Kerosene	--	-	11	--	--	--	-1	--	29	-17	8
Distillate Fuel Oil	--	-	17,965	480	794	234	1,850	--	3,663	13,960	14,568
15 ppm sulfur and under	--	-	16,930	479	794	234	1,726	--	3,405	13,307	13,338
Greater than 15 ppm to 500 ppm sulfur	--	-	323	--	--	--	104	--	53	166	342
Greater than 500 ppm sulfur	--	-	712	1	--	--	20	--	206	487	888
Residual Fuel Oil	--	-	1,300	146	--	--	295	--	1,068	83	5,212
Less than 0.31 percent sulfur	--	-	2	--	--	--	63	--	NA	NA	934
0.31 to 1.00 percent sulfur	--	-	77	58	--	--	9	--	NA	NA	527
Greater than 1.00 percent sulfur	--	-	1,221	88	--	--	223	--	NA	NA	3,751
Petrochemical Feedstocks	--	-	--	--	--	--	0	--	--	0	1
Naphtha for Petro. Feed. Use	--	-	--	--	--	--	0	--	--	0	1
Other Oils for Petro. Feed. Use	--	-	--	--	--	--	--	--	--	--	--
Special Naphthas	--	-	47	--	--	--	0	--	--	47	46
Lubricants	--	-	476	5	--	--	-18	--	248	251	620
Waxes	--	-	--	58	--	--	--	--	5	53	--
Petroleum Coke	--	-	3,257	28	11	--	-125	--	2,906	515	1,162
Marketable	--	-	2,373	28	11	--	-125	--	2,906	-369	1,162
Catalyst	--	-	884	--	--	--	--	--	--	884	--
Asphalt and Road Oil	--	-	665	70	210	--	-92	--	38	999	3,344
Still Gas	--	-	2,884	--	--	--	--	--	2,884	--	--
Miscellaneous Products	--	-	323	--	--	--	-7	--	0	330	84
Total	28,056	420	62,575	28,632	12,477	-469	-3,065	59,944	17,610	57,201	151,363

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

5 Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 22. PAD District 5 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 2020
 (Thousands Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	109,511	--	--	127,588	23,385	4,597	4,381	256,623	4,077	0	56,298
Hydrocarbon Gas Liquids	7,255	-28	3,501	5,620	5,656	--	-865	10,320	4,863	7,686	3,249
Natural Gas Liquids	7,255	-28	2,894	5,589	5,656	--	-895	10,320	4,863	7,078	3,199
Ethane	3	--	--	--	--	--	--	0	0	3	--
Propane	1,076	--	3,823	3,855	1,419	--	-809	--	3,393	7,589	864
Normal Butane	1,330	--	-1,299	1,629	2,996	--	-209	3,800	1,446	-381	1,783
Isobutane	1,395	--	370	105	1,241	--	112	3,365	1	-367	500
Natural Gasoline	3,451	-28	--	--	--	--	11	3,155	23	234	52
Refinery Olefins	--	--	607	31	--	--	30	--	--	608	50
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	630	--	--	--	2	--	--	628	16
Normal Butylene	--	--	-23	31	--	--	28	--	--	-20	34
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	2,419	--	9,542	31,691	-6,052	-19	32,188	3,758	1,672	54,271
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	2,419	--	2,923	15,518	3,648	283	23,217	1,007	0	4,696
Hydrogen	--	--	--	--	--	5,001	--	5,001	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) ...	--	2,419	--	2,923	15,518	-1,353	283	18,216	1,007	0	4,696
Fuel Ethanol	--	1,419	--	679	13,267	1,496	151	15,871	839	0	3,012
Renewable Fuels Except Fuel Ethanol	--	1,000	--	2,244	2,251	-2,849	132	2,345	168	0	1,684
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	3,542	--	--	1,054	-578	1,394	1,672	20,476
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	3,077	16,173	-9,700	-1,356	9,549	1,357	0	29,099
Reformulated	--	--	--	639	7,232	-1,843	-521	6,544	5	0	14,600
Conventional	--	--	--	2,438	8,941	-7,857	-835	3,005	1,352	0	14,499
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	-	313,920	18,819	7,984	9,214	787	--	46,346	302,805	37,545
Finished Motor Gasoline	--	-	160,164	1,227	1,774	8,204	-187	--	9,037	162,519	2,514
Reformulated	--	-	110,627	--	--	3,073	8	--	--	113,692	21
Conventional	--	-	49,537	1,227	1,774	5,131	-195	--	9,037	48,827	2,493
Finished Aviation Gasoline	--	-	205	4	--	--	143	--	--	66	327
Kerosene-Type Jet Fuel	--	-	41,845	13,439	394	--	-96	--	3,010	52,764	9,659
Kerosene	--	-	64	20	--	--	-36	--	116	4	8
Distillate Fuel Oil	--	-	68,760	1,433	4,075	1,010	-158	--	15,537	59,899	14,568
15 ppm sulfur and under	--	-	64,777	1,429	4,075	1,010	-210	--	12,593	58,909	13,338
Greater than 15 ppm to 500 ppm sulfur	--	-	1,427	--	--	--	66	--	1,151	210	342
Greater than 500 ppm sulfur	--	-	2,556	4	--	--	-14	--	1,793	781	888
Residual Fuel Oil	--	-	7,335	1,929	--	--	1,092	--	3,281	4,891	5,212
Less than 0.31 percent sulfur	--	-	18	--	--	--	673	--	NA	NA	934
0.31 to 1.00 percent sulfur	--	-	1,237	460	--	--	230	--	NA	NA	527
Greater than 1.00 percent sulfur	--	-	6,080	1,469	--	--	197	--	NA	NA	3,751
Petrochemical Feedstocks	--	-	--	85	--	--	-7	--	--	92	1
Naphtha for Petro. Feed. Use	--	-	--	85	--	--	-7	--	--	92	1
Other Oils for Petro. Feed. Use	--	-	--	--	--	--	--	--	--	--	--
Special Naphthas	--	-	117	--	--	--	0	--	--	117	46
Lubricants	--	-	1,674	122	--	--	-238	--	1,441	593	620
Waxes	--	-	--	157	--	--	--	--	18	139	--
Petroleum Coke	--	-	16,615	119	21	--	-577	--	13,759	3,573	1,162
Marketable	--	-	12,931	119	21	--	-577	--	13,759	-111	1,162
Catalyst	--	-	3,684	--	--	--	--	--	--	3,684	--
Asphalt and Road Oil	--	-	2,611	284	1,720	--	876	--	145	3,594	3,344
Still Gas	--	-	12,898	--	--	--	--	--	--	12,898	--
Miscellaneous Products	--	-	1,632	--	--	--	-25	--	1	1,656	84
Total	116,766	2,391	317,421	161,569	68,715	7,759	4,284	299,131	59,043	312,163	151,363

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

5 Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 23. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 2020
 (Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	879	--	--	702	157	-31	-20	1,667	60	0
Hydrocarbon Gas Liquids	56	0	47	40	31	--	28	60	44	43
Natural Gas Liquids	56	0	42	39	31	--	28	60	44	36
Ethane	0	--	--	--	--	--	--	--	0	0
Propane	9	--	28	27	8	--	13	--	28	30
Normal Butane	13	--	12	11	14	--	16	14	15	4
Isobutane	9	--	2	0	9	--	-2	22	0	-1
Natural Gasoline	27	0	--	--	--	--	0	24	0	2
Refinery Olefins	--	--	5	1	--	--	0	--	--	7
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	6	--	--	--	0	--	--	5
Normal Butylene	--	--	0	1	--	--	0	--	--	1
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	14	--	87	180	-99	-177	272	77	11
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons	--	14	--	23	84	15	-20	147	8	0
Hydrogen	--	--	--	--	--	35	--	35	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	14	--	23	84	-20	-20	112	8	0
Fuel Ethanol	--	5	--	--	69	7	-17	93	5	0
Renewable Fuels Except Fuel Ethanol	--	10	--	23	15	-28	-3	19	3	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	38	--	--	-30	16	42	11
Motor Gasoline Blend.Comp. (MGB)	--	--	--	26	97	-114	-127	109	27	0
Reformulated	--	--	--	--	51	-45	-51	57	0	0
Conventional	--	--	--	26	45	-68	-76	51	27	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	2,038	126	48	114	67	--	406	1,853
Finished Motor Gasoline	--	--	983	14	14	106	-6	--	126	998
Reformulated	--	--	641	--	--	52	0	--	--	692
Conventional	--	--	342	14	14	55	-7	--	126	306
Finished Aviation Gasoline	--	--	1	0	--	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	157	86	-1	--	9	--	15	218
Kerosene	--	--	0	--	--	--	0	--	1	-1
Distillate Fuel Oil	--	--	599	16	26	8	62	--	122	465
15 ppm sulfur and under	--	--	564	16	26	8	58	--	113	444
Greater than 15 ppm to 500 ppm sulfur	--	--	11	--	--	--	3	--	2	6
Greater than 500 ppm sulfur	--	--	24	0	--	--	1	--	7	16
Residual Fuel Oil	--	--	43	5	--	--	10	--	36	3
Less than 0.31 percent sulfur	--	--	0	--	--	--	2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	3	2	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	41	3	--	--	7	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	0	--	--	0
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	0	--	--	0
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	2	--	--	--	0	--	--	2
Lubricants	--	--	16	0	--	--	-1	--	8	8
Waxes	--	--	-	2	--	--	-	--	0	2
Petroleum Coke	--	--	109	1	0	--	-4	--	97	17
Marketable	--	--	79	1	0	--	-4	--	97	-12
Catalyst	--	--	29	--	--	--	--	--	--	29
Asphalt and Road Oil	--	--	22	2	7	--	-3	--	1	33
Still Gas	--	--	96	--	--	--	--	--	--	96
Miscellaneous Products	--	--	11	--	--	--	0	--	0	11
Total	935	14	2,086	954	416	-16	-102	1,998	587	1,907

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

5 Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate," and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 24. PAD District 5 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 2020
 (Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	905	--	--	1,054	193	38	36	2,121	34	0
Hydrocarbon Gas Liquids	60	0	29	46	47	--	-7	85	40	64
Natural Gas Liquids	60	0	24	46	47	--	-7	85	40	58
Ethane	0	--	--	--	--	--	--	--	0	0
Propane	9	--	32	32	12	--	-7	--	28	63
Normal Butane	11	--	-11	13	25	--	-2	31	12	-3
Isobutane	12	--	3	1	10	--	1	28	0	-3
Natural Gasoline	29	0	--	--	--	--	0	26	0	2
Refinery Olefins	--	--	5	0	--	--	0	--	--	5
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	5	--	--	--	0	--	--	5
Normal Butylene	--	--	--	0	0	--	0	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	20	--	79	262	-50	0	266	31	14
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons	--	20	--	24	128	30	2	192	8	0
Hydrogen	--	--	--	--	--	41	--	41	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	20	--	24	128	-11	2	151	8	0
Fuel Ethanol	--	12	--	6	110	12	1	131	7	0
Renewable Fuels Except Fuel Ethanol	--	8	--	19	19	-24	1	19	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	29	--	--	9	-5	12	14
Motor Gasoline Blend.Comp. (MGC)	--	--	--	25	134	-80	-11	79	11	0
Reformulated	--	--	--	5	60	-15	-4	54	0	0
Conventional	--	--	--	20	74	-65	-7	25	11	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	2,594	156	66	76	7	--	383	2,503
Finished Motor Gasoline	--	--	1,324	10	15	68	-2	--	75	1,343
Reformulated	--	--	914	--	--	25	0	--	--	940
Conventional	--	--	409	10	15	42	-2	--	75	404
Finished Aviation Gasoline	--	--	2	0	--	--	1	--	--	1
Kerosene-Type Jet Fuel	--	--	346	111	3	--	-1	--	25	436
Kerosene	--	--	1	0	--	--	0	--	1	0
Distillate Fuel Oil	--	--	568	12	34	8	-1	--	128	495
15 ppm sulfur and under	--	--	535	12	34	8	-2	--	104	487
Greater than 15 ppm to 500 ppm sulfur	--	--	12	--	--	--	1	--	10	2
Greater than 500 ppm sulfur	--	--	21	0	--	--	0	--	15	6
Residual Fuel Oil	--	--	61	16	--	--	9	--	27	40
Less than 0.31 percent sulfur	--	--	0	--	--	--	6	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	10	4	--	--	2	--	NA	NA
Greater than 1.00 percent sulfur	--	--	50	12	--	--	2	--	NA	NA
Petrochemical Feedstocks	--	--	--	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	--	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	1	--	--	0	--	--	1
Lubricants	--	--	14	1	--	--	-2	--	12	5
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	137	1	0	--	-5	--	114	30
Marketable	--	--	107	1	0	--	-5	--	114	-1
Catalyst	--	--	30	--	--	--	--	--	--	30
Asphalt and Road Oil	--	--	22	2	14	--	7	--	1	30
Still Gas	--	--	107	--	--	--	--	--	--	107
Miscellaneous Products	--	--	13	--	--	--	0	--	0	14
Total	965	20	2,623	1,335	568	64	35	2,472	488	2,580

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

5 Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, April 2020
 (Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Supply							
Field Production	1,841	56,670	250,737	26,219	26,364	361,831	12,061
Alaskan	--	--	--	--	--	13,881	463
Lower 48 States	--	--	--	--	--	347,950	11,598
Imports (PAD District of Entry)	10,211	81,163	43,023	10,138	21,051	165,586	5,520
Commercial	10,211	81,163	43,023	10,138	21,051	165,586	5,520
Strategic Petroleum Reserve (SPR)	--	--	--	--	--	--	--
Net Receipts	4,887	-19,707	29,229	-19,128	4,719	--	--
Adjustments ¹	-518	-10,000	11,353	-1,848	-928	-1,941	-65
Disposition							
Stock Change ²	599	16,820	30,589	2,163	-602	49,569	1,652
Commercial	--	--	27,730	--	--	46,710	1,557
SPR	--	--	2,859	--	--	2,859	95
Refinery Inputs	15,822	87,405	217,152	13,218	49,995	383,592	12,786
Exports	1	3,901	86,601	--	1,813	92,315	3,077
Ending Stocks							
Total	11,968	156,343	916,904	25,477	56,298	1,166,990	--
Commercial	11,968	156,343	279,078	25,477	56,298	529,164	--
Refinery	7,140	14,043	49,216	2,726	23,511	96,636	--
Tank Farms and Pipelines	4,828	142,300	229,862	22,751	29,011	428,752	--
Cushing, Oklahoma	--	65,505	--	--	--	65,505	--
Lease	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water	--	--	--	--	3,776	3,776	--
SPR	--	--	637,826	--	--	637,826	--
SPR Stocks							
Percent of Total Crude Oil Stocks (Percent)	--	--	--	--	--	54.7	--
Percent of Total Petroleum Stocks (Percent)	--	--	--	--	--	31.3	--
Days of Total Petroleum Net Imports (Days)	--	--	--	--	--	--	--
SPR Receipts Detail							
Receipts	--	--	--	--	--	--	--
Domestic	--	--	--	--	--	--	--
Imports	--	--	--	--	--	--	--
Imported by SPR	--	--	--	--	--	--	--
Imported for SPR by Others	--	--	--	--	--	--	--
Imports							
PAD District of Entry	10,211	81,163	43,023	10,138	21,051	165,586	5,520
PAD District of Processing	10,950	74,833	50,033	8,224	21,546	165,586	5,520

-- = Not Applicable.

- = No Data Reported.

¹ Crude oil adjustment was previously referred to as Unaccounted-for Crude Oil.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

Notes: Totals may not equal the sum of components due to independent rounding. Values of Domestic Crude Oil Field Production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," and EIA-817, "Monthly Tanker and Barge Movements Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 26. Production of Crude Oil by PAD District and State, April 2020
(Thousand Barrels)

PAD District and State	April 2020		January-April 2020	
	Total	Daily Average	Total	Daily Average
PAD District 1	1,841	61	8,664	72
Florida	114	4	548	5
New York	18	1	73	1
Pennsylvania	433	14	2,007	17
Virginia	0	0	1	0
West Virginia	1,275	43	6,035	50
PAD District 2	56,670	1,889	254,452	2,103
Illinois	462	15	2,502	21
Indiana	92	3	490	4
Kansas	2,266	76	10,237	85
Kentucky	190	6	746	6
Michigan	274	9	1,498	12
Missouri	11	0	32	0
Nebraska	102	3	565	5
North Dakota	36,424	1,214	164,838	1,362
Ohio	1,790	60	8,381	69
Oklahoma	14,975	499	64,756	535
South Dakota	78	3	354	3
Tennessee	6	0	53	0
PAD District 3	250,737	8,358	1,036,560	8,567
Alabama	366	12	1,539	13
Arkansas	322	11	1,502	12
Louisiana	3,037	101	13,529	112
Mississippi	1,117	37	5,242	43
New Mexico	32,451	1,082	131,344	1,085
Texas	156,003	5,200	647,521	5,351
Federal Offshore PAD District 3	57,440	1,915	235,884	1,949
PAD District 4	26,219	874	112,362	929
Colorado	14,801	493	60,774	502
Idaho	0	0	1	0
Montana	1,604	53	7,194	59
Utah	2,455	82	11,290	93
Wyoming	7,359	245	33,103	274
PAD District 5	26,364	879	109,511	905
Alaska	13,881	463	57,216	473
South Alaska	416	14	1,669	14
North Slope	13,465	449	55,547	459
Arizona	1	0	2	0
California	12,279	409	50,904	421
Nevada	20	1	81	1
Federal Offshore PAD District 5	183	6	1,307	11
U.S. Total	361,831	12,061	1,521,548	12,575

= No Data Reported.

Note: Year-to-date totals include revised monthly production estimates by state published in Petroleum Navigator. Crude oil production quantities are estimated by state and summed to the PADD and the U.S. level. State production estimates reported by EIA are normally different from data reported by state agencies. For example, production estimates for Texas reported on table 26 are different from production reported by the Railroad Commission of Texas. See EIA "Today In Energy" article released on July 10, 2015 (<http://www.eia.gov/todayinenergy/detail.cfm?id=22012>) for an explanation of differences in production data for Texas. Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," state government agencies, U.S. Department of the Interior, and the Bureau of Ocean Energy Management.

Table 27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts, April 2020
 (Thousands Barrels)

Commodity	Production								
	PAD District 1 - East Coast			PAD District 2 - Midwest					
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total		
Hydrocarbon Gas Liquids	11	17,097	17,108	4,369	9,175	14,252	27,796		
Natural Gas Liquids	11	17,097	17,108	4,369	9,175	14,252	27,796		
Ethane	—	6,415	6,415	1,245	1,730	5,191	8,166		
Propane	4	6,200	6,204	1,994	3,776	4,955	10,725		
Normal Butane	7	1,946	1,953	415	1,629	1,488	3,532		
Isobutane	—	795	795	419	554	1,035	2,008		
Natural Gasoline	—	1,741	1,741	296	1,486	1,583	3,365		
Hydrocarbon Gas Liquids	69,272	4,751	5,743	543	7,615	87,924	13,508	1,692	148,028
Natural Gas Liquids	69,272	4,751	5,743	543	7,615	87,924	13,508	1,692	148,028
Ethane	28,756	1,965	2,067	115	2,727	35,630	2,768	1	52,980
Propane	21,885	1,508	1,973	158	2,592	28,116	5,434	263	50,742
Normal Butane	7,192	-2,067	702	66	851	6,744	2,140	377	14,746
Isobutane	4,372	2,914	394	56	576	8,312	1,012	256	12,383
Natural Gasoline	7,067	431	607	148	869	9,122	2,154	795	17,177
Stocks									
Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest					
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total		
	5	261	266	574	139	416	1,129		
Hydrocarbon Gas Liquids	5	261	266	574	139	416	1,129		
Natural Gas Liquids	5	261	266	574	139	416	1,129		
Ethane	—	—	—	32	2	88	122		
Propane	2	128	130	287	48	139	474		
Normal Butane	3	48	51	87	42	73	202		
Isobutane	—	11	11	65	7	56	128		
Natural Gasoline	—	74	74	103	40	60	203		
Stocks									
Commodity	PAD District 3 - Gulf Coast			PAD District 4 - Rocky Mountain					
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total	PAD District 5 - West Coast	U.S. Total	
	135	398	1,090	5	1	1,629	154	215	3,393
Hydrocarbon Gas Liquids	135	398	1,090	5	1	1,629	154	215	3,393
Natural Gas Liquids	135	398	1,090	5	1	1,629	154	215	3,393
Ethane	7	167	—	—	—	174	6	—	302
Propane	26	162	28	2	—	218	59	35	916
Normal Butane	15	56	195	2	—	268	40	112	673
Isobutane	53	11	237	—	—	301	14	22	476
Natural Gasoline	34	2	630	1	1	668	35	46	1,026

— = No Data Reported.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-816, "Monthly Natural Gas Liquids Report."

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2020
 (Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	
Crude Oil	13,336	2,486	15,822	56,434	11,789	19,182	87,405
Hydrocarbon Gas Liquids	583	—	583	703	68	449	1,220
Natural Gas Liquids	583	—	583	703	68	449	1,220
Normal Butane	306	—	306	49	32	82	163
Isobutane	123	—	123	637	32	229	898
Natural Gasoline	154	—	154	17	4	138	159
Other Liquids	47,590	3,402	50,992	5,440	2,100	2,177	9,717
Hydrogen/Oxygenates/Renewables/							
Other Hydrocarbons	5,829	514	6,343	3,868	1,093	1,294	6,255
Hydrogen	106	12	118	647	230	183	1,060
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	5,723	502	6,225	3,194	863	1,111	5,168
Fuel Ethanol	5,414	433	5,847	2,978	696	1,047	4,721
Renewable Diesel Fuel ²	309	69	378	216	167	64	447
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	27	—	—	27
Unfinished Oils (net)	2,030	-195	1,835	-138	-186	-241	-565
Naphthas and Lighter	125	-153	-28	-65	-141	-60	-266
Kerosene and Light Gas Oils	43	—	43	537	-80	219	676
Heavy Gas Oils	789	-37	752	-648	35	-361	-974
Residuum	1,073	-5	1,068	38	—	-39	-1
Motor Gasoline Blend.Comp. (MGBC)(net)	39,731	3,083	42,814	1,710	1,193	1,124	4,027
Reformulated - RBOB	7,369	—	7,369	-379	785	549	955
Conventional	32,362	3,083	35,445	2,089	408	575	3,072
CBOB	28,209	3,075	31,284	2,977	105	435	3,517
GTAB	1,060	—	1,060	—	—	—	—
Other	3,093	8	3,101	-888	303	140	-445
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input	61,509	5,888	67,397	62,577	13,957	21,808	98,342

See footnotes at end of table.

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2020
 (Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	16,092	115,129	77,313	6,364	2,254	217,152	13,218	49,995	383,592
Hydrocarbon Gas Liquids	291	3,216	1,947	43	125	5,622	300	1,803	9,528
Natural Gas Liquids	291	3,216	1,947	43	125	5,622	300	1,803	9,528
Normal Butane	111	1,065	516	19	—	1,711	105	415	2,700
Isobutane	180	1,149	927	19	125	2,400	141	674	4,236
Natural Gasoline	—	1,002	504	5	—	1,511	54	714	2,592
Other Liquids	5,108	-30,920	-14,136	4,736	-127	-35,339	510	8,146	34,026
Hydrogen/Oxygenates/Renewables/									
Other Hydrocarbons	1,363	2,817	1,729	799	166	6,874	784	4,413	24,669
Hydrogen	14	1,993	1,375	47	46	3,475	191	1,053	5,897
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	1,349	824	354	752	120	3,399	593	3,360	18,745
Fuel Ethanol	1,305	528	324	702	98	2,957	542	2,776	16,843
Renewable Diesel Fuel ²	44	296	30	50	22	442	51	577	1,895
Other Renewable Fuels	—	—	—	—	—	—	—	7	7
Other Hydrocarbons	—	—	—	—	—	—	—	—	27
Unfinished Oils (net)	48	-4,112	7,935	22	100	3,993	112	474	5,849
Naphthas and Lighter	152	-4,274	-232	58	9	-4,287	19	-323	-4,885
Kerosene and Light Gas Oils	76	-1,139	120	15	30	-898	-90	-1,185	-1,454
Heavy Gas Oils	-120	156	4,148	-20	61	4,225	139	1,753	5,895
Residuum	-60	1,145	3,899	-31	—	4,953	44	229	6,293
Motor Gasoline Blend.Comp. (MDBC)(net)	3,700	-29,625	-23,800	3,915	-393	-46,203	-386	3,259	3,511
Reformulated - RBOB	2,937	-5,116	-2,709	5	-590	-5,473	—	1,723	4,574
Conventional	763	-24,509	-21,091	3,910	197	-40,730	-386	1,536	-1,063
CBOB	969	-23,395	-21,721	3,955	153	-40,039	-634	-210	-6,082
GTAB	—	—	—	—	—	—	—	—	1,060
Other	-206	-1,114	630	-45	44	-691	248	1,746	3,959
Aviation Gasoline Blend. Comp. (net)	-3	—	—	—	—	-3	—	—	-3
Total Input	21,491	87,425	65,124	11,143	2,252	187,435	14,028	59,944	427,146

-- = Not Applicable.

— = No Data Reported.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, April 2020
 (Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			Total
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	
Hydrocarbon Gas Liquids	716	45	761	3,746	528	605	4,879
Natural Gas Liquids	334	45	379	2,811	357	412	3,580
Ethane	-	-	-	-	-	-	-
Propane	329	21	350	1,199	233	306	1,738
Normal Butane	23	43	66	1,599	121	131	1,851
Isobutane	-18	-19	-37	13	3	-25	-9
Natural Gasoline	-	-	-	-	-	-	-
Refinery Olefins	382	-	382	935	171	193	1,299
Ethylene	9	-	9	-	-	-	-
Propylene	337	-	337	873	171	195	1,239
Normal Butylene	-6	-	-6	62	-	-2	60
Isobutylene	42	-	42	-	-	-	-
Finished Motor Gasoline	52,812	4,326	57,138	31,176	6,930	11,246	49,352
Reformulated	20,086	28	20,114	4,583	1,044	610	6,237
Reformulated Blended with Fuel Ethanol	20,086	28	20,114	4,583	1,044	610	6,237
Reformulated Other	-	-	-	-	-	-	-
Conventional	32,726	4,298	37,024	26,593	5,886	10,636	43,115
Conventional Blended with Fuel Ethanol	33,962	4,316	38,278	25,098	5,835	9,576	40,509
Ed55 and Lower	33,925	4,316	38,241	25,093	5,823	9,533	40,449
Greater than Ed55	37	-	37	5	12	43	60
Conventional Other	-1,236	-18	-1,254	1,495	51	1,060	2,606
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	-31	-	-31	2,694	201	150	3,045
Kerosene	37	-	37	-29	-	10	-19
Distillate Fuel Oil	6,345	685	7,030	18,853	4,787	8,574	32,214
15 ppm sulfur and under	6,306	651	6,957	18,856	4,785	8,545	32,186
Greater than 15 ppm to 500 ppm sulfur	154	-17	137	-2	-	124	122
Greater than 500 ppm sulfur	-115	51	-64	-1	2	-95	-94
Residual Fuel Oil	769	1	770	573	113	59	745
Less than 0.31 percent sulfur	-35	1	-34	95	-	-	95
0.31 to 1.00 percent sulfur	658	-	658	314	48	0	362
Greater than 1.00 percent sulfur	146	-	146	164	65	59	288
Petrochemical Feedstocks	-3	-	-3	675	-	8	683
Naphtha for Petro. Feed. Use	-3	-	-3	333	-	-	333
Other Oils for Petro. Feed. Use	-	-	-	342	-	8	350
Special Naphthas	-	4	4	-14	-	8	-6
Lubricants	213	155	368	-	-	187	187
Waxes	-	-2	-2	-	-	30	30
Petroleum Coke	582	14	596	3,263	693	677	4,633
Marketable	261	-	261	2,564	567	538	3,669
Catalyst	321	14	335	699	126	139	964
Asphalt and Road Oil	275	537	812	2,379	848	181	3,408
Still Gas	770	30	800	2,041	504	840	3,385
Miscellaneous Products	42	34	76	301	97	45	443
Total	62,527	5,829	68,356	65,658	14,701	22,620	102,979
Processing Gain(-) or Loss(+) ¹	-1,018	59	-959	-3,081	-744	-812	-4,637

See footnotes at end of table.

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, April 2020
 (Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	592	6,990	5,336	74	26	13,018	404	1,422	20,484
Natural Gas Liquids	304	4,314	2,411	48	26	7,103	371	1,259	12,692
Ethane	4	206	5	—	—	215	—	—	215
Propane	163	2,085	1,527	13	25	3,813	169	826	6,896
Normal Butane	179	2,479	777	35	1	3,471	189	369	5,946
Isobutane	-42	-456	102	—	—	-396	13	64	-365
Natural Gasoline	—	—	—	—	—	—	—	—	—
Refinery Olefins	288	2,676	2,925	26	—	5,915	33	163	7,792
Ethylene	—	12	—	—	—	12	—	—	21
Propylene	286	2,930	2,945	26	—	6,187	4	165	7,932
Normal Butylene	2	-249	-20	—	—	-267	29	-2	-186
Isobutylene	—	-17	—	—	—	-17	—	—	25
Finished Motor Gasoline	12,959	16,705	11,456	6,512	1,032	48,664	5,921	29,487	190,562
Reformulated	4,322	4,027	—	—	—	8,349	—	19,221	53,921
Reformulated Blended with Fuel Ethanol	4,322	4,027	—	—	—	8,349	—	19,221	53,921
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	8,637	12,678	11,456	6,512	1,032	40,315	5,921	10,266	136,641
Conventional Blended with Fuel Ethanol	8,669	1,145	3,223	7,048	1,019	21,104	5,435	8,412	113,738
Ed55 and Lower	8,654	1,145	3,223	7,041	1,019	21,082	5,429	8,396	113,597
Greater than Ed55	15	—	—	7	—	22	6	16	141
Conventional Other	-32	11,533	8,233	-536	13	19,211	486	1,854	22,903
Finished Aviation Gasoline	80	110	59	—	—	249	4	30	283
Kerosene-Type Jet Fuel	533	5,344	4,438	68	0	10,383	462	4,708	18,567
Kerosene	-5	110	-48	8	—	65	—	11	94
Distillate Fuel Oil	6,389	45,741	34,776	2,465	1,082	90,453	5,354	17,965	153,016
15 ppm sulfur and under	6,366	45,642	28,376	2,428	1,082	83,894	5,243	16,930	145,210
Greater than 15 ppm to 500 ppm sulfur	23	-294	2,229	67	—	2,025	93	323	2,700
Greater than 500 ppm sulfur	—	393	4,171	-30	—	4,534	18	712	5,106
Residual Fuel Oil	236	-382	1,333	4	39	1,230	302	1,300	4,347
Less than 0.31 percent sulfur	247	—	647	—	—	894	178	2	1,135
0.31 to 1.00 percent sulfur	—	18	371	4	—	393	6	77	1,496
Greater than 1.00 percent sulfur	-11	-400	315	—	39	-57	118	1,221	1,716
Petrochemical Feedstocks	108	4,540	2,935	—	—	7,583	—	—	8,263
Naphtha for Petro. Feed. Use	96	2,516	1,136	—	—	3,748	—	—	4,078
Other Oils for Petro. Feed. Use	12	2,024	1,799	—	—	3,835	—	—	4,185
Special Naphthas	86	685	—	205	—	976	—	47	1,021
Lubricants	20	1,455	1,382	598	—	3,455	—	476	4,486
Waxes	—	45	29	27	—	101	—	—	129
Petroleum Coke	283	7,605	4,668	162	21	12,739	534	3,257	21,759
Marketable	128	6,155	3,668	149	—	10,100	383	2,373	16,786
Catalyst	155	1,450	1,000	13	21	2,639	151	884	4,973
Asphalt and Road Oil	224	534	489	776	-2	2,021	984	665	7,890
Still Gas	634	4,879	3,411	216	63	9,203	531	2,884	16,803
Miscellaneous Products	140	912	439	15	30	1,536	82	323	2,460
Total	22,279	95,273	70,703	11,130	2,291	201,676	14,578	62,575	450,164
Processing Gain(-) or Loss(+) ¹	-788	-7,848	-5,579	13	-39	-14,241	-550	-2,631	-23,018

— = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2020
 (Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	
Crude Oil	13,336	2,486	15,822	56,434	11,789	19,182	87,405
Hydrocarbon Gas Liquids	148	—	148	659	32	351	1,042
Natural Gas Liquids	148	—	148	659	32	351	1,042
Normal Butane	25	—	25	5	—	8	13
Isobutane	123	—	123	637	32	229	898
Natural Gasoline	—	—	—	17	—	114	131
Other Liquids	-4,690	79	-4,611	-22,002	-3,660	-6,749	-32,411
Hydrogen/Oxygenates/Renewables/							
Other Hydrocarbons	146	138	284	877	353	295	1,525
Hydrogen	106	12	118	647	230	183	1,060
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE)	--	--	--	--	--	--	--
All Other Oxygenates ¹	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	40	126	166	203	123	112	438
Fuel Ethanol	40	104	144	124	82	99	305
Renewable Diesel Fuel ²	—	22	22	79	41	13	133
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	27	—	—	27
Unfinished Oils (net)	2,030	-195	1,835	-72	-186	-241	-499
Naphthas and Lighter	125	-153	-28	-65	-141	-60	-266
Kerosene and Light Gas Oils	43	—	43	537	-80	219	676
Heavy Gas Oils	789	-37	752	-648	35	-361	-974
Residuum	1,073	-5	1,068	104	—	-39	65
Motor Gasoline Blend.Comp. (MGBC)(net)	-6,866	136	-6,730	-22,807	-3,827	-6,803	-33,437
Reformulated - RBOB	-5,360	—	-5,360	-4,288	-154	—	-4,442
Conventional	-1,506	136	-1,370	-18,519	-3,673	-6,803	-28,995
CBOB	-1,547	128	-1,419	-17,610	-3,976	-6,943	-28,529
GTAB	—	—	—	—	—	—	—
Other	41	8	49	-909	303	140	-466
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input to Refineries	8,794	2,565	11,359	35,091	8,161	12,784	56,036
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	469	84	553	1,881	400	641	2,922
Operable Capacity (daily average)	1,126	98	1,224	2,703	566	927	4,196
Operable Utilization Rate (percent) ³	41.7	85.0	45.2	69.6	70.6	69.1	69.6
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	91	13	104	345	48	118	511
Catalytic Cracking	180	11	192	474	102	126	702
Catalytic Hydrocracking	29	—	29	162	49	53	263
Delayed and Fluid Coking	46	—	46	271	33	62	365
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.93	1.56	1.03	1.77	2.06	0.73	1.59
API Gravity, Weighted Average (degrees)	34.77	32.73	34.44	32.68	26.46	37.99	32.95
Operable Capacity (daily average)	1,126	98	1,224	2,703	566	927	4,196
Operating	791	98	889	2,703	528	927	4,158
Idle	335	—	335	—	38	—	38
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—

See footnotes at end of table.

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2020
 (Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	16,092	115,129	77,313	6,364	2,254	217,152	13,218	49,995	383,592
Hydrocarbon Gas Liquids	281	3,023	1,942	24	125	5,395	286	1,800	8,671
Natural Gas Liquids	281	3,023	1,942	24	125	5,395	286	1,800	8,671
Normal Butane	101	1,050	511	—	—	1,662	101	412	2,213
Isobutane	180	1,149	927	19	125	2,400	139	674	4,234
Natural Gasoline	—	824	504	5	—	1,333	46	714	2,224
Other Liquids	-6,158	-38,867	-16,230	-1,423	-956	-63,634	-2,160	-18,128	-120,944
Hydrogen/Oxygenates/Renewables/									
Other Hydrocarbons	189	2,031	1,527	98	71	3,916	401	1,355	7,481
Hydrogen	14	1,993	1,375	47	46	3,475	191	1,053	5,897
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	175	38	152	51	25	441	210	302	1,557
Fuel Ethanol	161	32	122	35	18	368	178	59	1,054
Renewable Diesel Fuel ²	14	6	30	16	7	73	32	243	503
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—	—	27
Unfinished Oils (net)	48	-3,382	7,906	22	100	4,694	112	474	6,616
Naphtha and Lighter	152	-4,274	-232	58	9	-4,287	19	-323	-4,885
Kerosene and Light Gas Oils	76	-409	91	15	30	-197	-90	-1,185	-753
Heavy Gas Oils	-120	156	4,148	-20	61	4,225	139	1,753	5,895
Residuum	-60	1,145	3,899	-31	—	4,953	44	229	6,359
Motor Gasoline Blend.Comp. (MGBC)(net)	-6,392	-37,516	-25,663	-1,543	-1,127	-72,241	-2,673	-19,957	-135,038
Reformulated - RBOB	-990	-8,570	-2,709	—	-590	-12,859	—	-15,228	-37,889
Conventional	-5,402	-28,946	-22,954	-1,543	-537	-59,382	-2,673	-4,729	-97,149
CBOB	-5,196	-23,809	-22,898	-1,498	-578	-53,979	-2,920	-6,481	-93,328
GTAB	—	—	—	—	—	—	—	—	—
Other	-206	-5,137	-56	-45	41	-5,403	247	1,752	-3,821
Aviation Gasoline Blend. Comp. (net)	-3	—	—	—	—	-3	—	—	-3
Total Input to Refineries	10,215	79,285	63,025	4,965	1,423	158,913	11,344	33,667	271,319
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	538	3,976	2,792	188	75	7,569	445	1,834	13,323
Operable Capacity (daily average)	742	5,114	3,732	258	137	9,983	698	2,875	18,976
Operable Utilization Rate (percent) ³	72.5	77.8	74.8	72.8	55.0	75.8	63.8	63.8	70.2
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	117	544	473	33	15	1,182	71	274	2,141
Catalytic Cracking	128	984	687	15	22	1,835	101	479	3,309
Catalytic Hydrocracking	19	437	324	15	15	811	27	274	1,403
Delayed and Fluid Coking	20	658	504	26	—	1,208	43	319	1,982
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.62	1.64	1.21	1.38	0.81	1.38	1.53	1.35	1.41
API Gravity, Weighted Average (degrees)	39.45	32.41	32.21	31.90	37.93	33.02	31.98	28.38	32.41
Operable Capacity (daily average)	742	5,114	3,732	258	137	9,983	698	2,875	18,976
Operating	742	5,114	3,732	258	137	9,983	653	2,812	18,494
Idle	—	—	—	—	—	—	46	63	482
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	12,445	12,445

— = Not Applicable.

— = No Data Reported.

NA = Not Available.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

² Renewable diesel fuel includes biodiesel and other renewable diesel.

³ Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, April 2020
 (Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	716	45	761	3,746	528	605	4,879
Natural Gas Liquids	334	45	379	2,811	357	412	3,580
Ethane	—	—	—	—	—	—	—
Propane	329	21	350	1,199	233	306	1,738
Normal Butane	23	43	66	1,599	121	131	1,851
Isobutane	-18	-19	-37	13	3	-25	-9
Natural Gasoline	—	—	—	—	—	—	—
Refinery Olefins	382	—	382	935	171	193	1,299
Ethylene	9	—	9	—	—	—	—
Propylene	337	—	337	873	171	195	1,239
Normal Butylene	-6	—	-6	62	—	-2	60
Isobutylene	42	—	42	—	—	—	—
Finished Motor Gasoline	403	1,037	1,440	3,720	1,262	2,274	7,256
Reformulated	403	—	403	—	—	—	—
Reformulated Blended with Fuel Ethanol	403	—	403	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	1,037	1,037	3,720	1,262	2,274	7,256
Conventional Blended with Fuel Ethanol	—	1,037	1,037	1,271	820	1,031	3,122
Ed55 and Lower	—	1,037	1,037	1,271	820	1,031	3,122
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	—	—	2,449	442	1,243	4,134
Finished Aviation Gasoline	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel	-31	—	-31	2,707	201	150	3,058
Kerosene	48	—	48	-20	—	10	-10
Distillate Fuel Oil	6,000	649	6,649	18,740	4,661	8,525	31,926
15 ppm sulfur and under	5,971	615	6,586	18,743	4,659	8,496	31,898
Greater than 15 ppm to 500 ppm sulfur	113	-17	96	-2	—	16	14
Greater than 500 ppm sulfur	-84	51	-33	-1	2	13	14
Residual Fuel Oil	800	1	801	573	113	59	745
Less than 0.31 percent sulfur	—	1	1	95	—	—	95
0.31 to 1.00 percent sulfur	657	—	657	314	48	—	362
Greater than 1.00 percent sulfur	143	—	143	164	65	59	288
Petrochemical Feedstocks	-3	—	-3	675	—	8	683
Naphtha for Petro. Feed. Use	-3	—	-3	333	—	—	333
Other Oils for Petro. Feed. Use	—	—	—	342	—	8	350
Special Naphthas	—	4	4	-14	—	8	-6
Lubricants	213	155	368	—	—	187	187
Waxes	—	-2	-2	—	—	30	30
Petroleum Coke	582	14	596	3,263	693	677	4,633
Marketable	261	—	261	2,564	567	538	3,669
Catalyst	321	14	335	699	126	139	964
Asphalt and Road Oil	275	537	812	2,445	848	180	3,473
Still Gas	770	30	800	2,041	504	840	3,385
Miscellaneous Products	42	34	76	301	97	45	443
Total	9,815	2,504	12,319	38,177	8,907	13,598	60,682
Processing Gain(-) or Loss(+) ¹	-1,021	61	-960	-3,086	-746	-814	-4,646

See footnotes at end of table.

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, April 2020
 (Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	592	6,990	5,336	74	26	13,018	404	1,422	20,484
Natural Gas Liquids	304	4,314	2,411	48	26	7,103	371	1,259	12,692
Ethane	4	206	5	—	—	215	—	—	215
Propane	163	2,085	1,527	13	25	3,813	169	826	6,896
Normal Butane	179	2,479	777	35	1	3,471	189	369	5,946
Isobutane	-42	-456	102	—	—	-396	13	64	-365
Natural Gasoline	—	—	—	—	—	—	—	—	—
Refinery Olefins	288	2,676	2,925	26	—	5,915	33	163	7,792
Ethylene	—	12	—	—	—	12	—	—	21
Propylene	286	2,930	2,945	26	—	6,187	4	165	7,932
Normal Butylene	2	-249	-20	—	—	-267	29	-2	-186
Isobutylene	—	-17	—	—	—	-17	—	—	25
Finished Motor Gasoline	1,714	8,563	9,386	366	218	20,247	3,259	3,550	35,752
Reformulated	—	—	—	—	—	—	—	386	789
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	386	789
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	1,714	8,563	9,386	366	218	20,247	3,259	3,164	34,963
Conventional Blended with Fuel Ethanol	1,611	320	1,183	360	182	3,656	1,826	215	9,856
Ed55 and Lower	1,610	320	1,183	360	182	3,655	1,826	215	9,855
Greater than Ed55	1	—	—	—	—	1	—	—	1
Conventional Other	103	8,243	8,203	6	36	16,591	1,433	2,949	25,107
Finished Aviation Gasoline	80	110	59	—	—	249	4	30	283
Kerosene-Type Jet Fuel	533	5,346	4,430	68	—	10,377	446	4,718	18,568
Kerosene	-5	112	-49	8	—	66	—	0	104
Distillate Fuel Oil	6,359	45,191	34,756	2,433	1,067	89,806	5,350	17,628	151,359
15 ppm sulfur and under	6,336	44,301	28,385	2,396	1,067	82,485	5,239	16,604	142,812
Greater than 15 ppm to 500 ppm sulfur	23	381	2,229	67	—	2,700	93	323	3,226
Greater than 500 ppm sulfur	—	509	4,142	-30	—	4,621	18	701	5,321
Residual Fuel Oil	236	166	1,386	4	39	1,831	302	1,298	4,977
Less than 0.31 percent sulfur	247	—	647	—	—	894	178	—	1,168
0.31 to 1.00 percent sulfur	—	18	371	4	—	393	6	77	1,495
Greater than 1.00 percent sulfur	-11	148	368	—	39	544	118	1,221	2,314
Petrochemical Feedstocks	108	4,540	2,935	—	—	7,583	—	—	8,263
Naphtha for Petro. Feed. Use	96	2,516	1,136	—	—	3,748	—	—	4,078
Other Oils for Petro. Feed. Use	12	2,024	1,799	—	—	3,835	—	—	4,185
Special Naphthas	86	685	—	205	—	976	—	47	1,021
Lubricants	20	1,455	1,382	598	—	3,455	—	476	4,486
Waxes	—	45	29	27	—	101	—	—	129
Petroleum Coke	283	7,605	4,668	162	21	12,739	534	3,257	21,759
Marketable	128	6,155	3,668	149	—	10,100	383	2,373	16,786
Catalyst	155	1,450	1,000	13	21	2,639	151	884	4,973
Asphalt and Road Oil	224	534	436	776	-2	1,968	984	665	7,902
Still Gas	634	4,879	3,411	216	63	9,203	531	2,884	16,803
Miscellaneous Products	140	912	439	15	30	1,536	82	323	2,460
Total	11,004	87,133	68,604	4,952	1,462	173,155	11,896	36,298	294,350
Processing Gain(-) or Loss(+) ¹	-789	-7,848	-5,579	13	-39	-14,242	-552	-2,631	-23,031

— = No Data Reported.

1 Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 32. Blender Net Inputs of Petroleum Products by PAD District, April 2020
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	435	—	435	44	36	98	178
Natural Gas Liquids	435	—	435	44	36	98	178
Normal Butane	281	—	281	44	32	74	150
Isobutane	—	—	—	—	—	—	—
Natural Gasoline	154	—	154	—	4	24	28
Other Liquids	52,280	3,323	55,603	27,442	5,760	8,926	42,128
Oxygenates/Renewables	5,683	376	6,059	2,991	740	999	4,730
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	5,683	376	6,059	2,991	740	999	4,730
Fuel Ethanol	5,374	329	5,703	2,854	614	948	4,416
Renewable Diesel Fuel ²	309	47	356	137	126	51	314
Other Renewable Fuels	—	—	—	—	—	—	—
Unfinished Oils (net)	—	—	—	-66	—	—	-66
Naphthas and Lighter	—	—	—	—	—	—	—
Kerosene and Light Gas Oils	—	—	—	—	—	—	—
Heavy Gas Oils	—	—	—	—	—	—	—
Residuum	—	—	—	-66	—	—	-66
Motor Gasoline Blend.Comp. (MGBC)(net)	46,597	2,947	49,544	24,517	5,020	7,927	37,464
Reformulated - RBOB	12,729	—	12,729	3,909	939	549	5,397
Conventional	33,868	2,947	36,815	20,608	4,081	7,378	32,067
CBOB	29,756	2,947	32,703	20,587	4,081	7,378	32,046
GTAB	1,060	—	1,060	—	—	—	—
Other	3,052	—	3,052	21	—	—	21
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input	52,715	3,323	56,038	27,486	5,796	9,024	42,306

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	10	193	5	19	—	227	14	3	857
Natural Gas Liquids	10	193	5	19	—	227	14	3	857
Normal Butane	10	15	5	19	—	49	4	3	487
Isobutane	—	—	—	—	—	—	2	—	2
Natural Gasoline	—	178	—	—	—	178	8	—	368
Other Liquids	11,266	7,947	2,094	6,159	829	28,295	2,670	26,274	154,970
Oxygenates/Renewables	1,174	786	202	701	95	2,958	383	3,058	17,188
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	1,174	786	202	701	95	2,958	383	3,058	17,188
Fuel Ethanol	1,144	496	202	667	80	2,589	364	2,717	15,789
Renewable Diesel Fuel ²	30	290	—	34	15	369	19	334	1,392
Other Renewable Fuels	—	—	—	—	—	—	—	7	7
Unfinished Oils (net)	—	-730	29	—	—	-701	—	—	-767
Naphthas and Lighter	—	—	—	—	—	—	—	—	—
Kerosene and Light Gas Oils	—	-730	29	—	—	-701	—	—	-701
Heavy Gas Oils	—	—	—	—	—	—	—	—	—
Residuum	—	—	—	—	—	—	—	—	-66
Motor Gasoline Blend.Comp. (MGBC)(net)	10,092	7,891	1,863	5,458	734	26,038	2,287	23,216	138,549
Reformulated - RBOB	3,927	3,454	—	5	—	7,386	—	16,951	42,463
Conventional	6,165	4,437	1,863	5,453	734	18,652	2,287	6,265	96,086
CBOB	6,165	414	1,177	5,453	731	13,940	2,286	6,271	87,246
GTAB	—	—	—	—	—	—	—	—	1,060
Other	—	4,023	686	—	3	4,712	1	-6	7,780
Total Input	11,276	8,140	2,099	6,178	829	28,522	2,684	26,277	155,827

-- = Not Applicable.

— = No Data Reported.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal and Blender Report."

Table 33. Blender Net Production of Petroleum Products by PAD District, April 2020
 (Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Finished Motor Gasoline	52,409	3,289	55,698	27,456	5,668	8,972	42,096
Reformulated	19,683	28	19,711	4,583	1,044	610	6,237
Reformulated Blended with Fuel Ethanol	19,683	28	19,711	4,583	1,044	610	6,237
Reformulated Other	-	-	-	-	-	-	-
Conventional	32,726	3,261	35,987	22,873	4,624	8,362	35,859
Conventional Blended with Fuel Ethanol	33,962	3,279	37,241	23,827	5,015	8,545	37,387
Ed55 and Lower	33,925	3,279	37,204	23,822	5,003	8,502	37,327
Greater than Ed55	37	-	37	5	12	43	60
Conventional Other	-1,236	-18	-1,254	-954	-391	-183	-1,528
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	0	-	0	-13	-	0	-13
Kerosene	-11	-	-11	-9	-	-	-9
Distillate Fuel Oil	345	36	381	113	126	49	288
15 ppm sulfur and under	335	36	371	113	126	49	288
Greater than 15 ppm to 500 ppm sulfur	41	-	41	-	-	108	108
Greater than 500 ppm sulfur	-31	-	-31	-	-	-108	-108
Residual Fuel Oil	-31	-	-31	-	-	0	0
Less than 0.31 percent sulfur	-35	-	-35	-	-	-	-
0.31 to 1.00 percent sulfur	1	-	1	-	-	0	0
Greater than 1.00 percent sulfur	3	-	3	-	-	-	-
Special Naphthas	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-
Asphalt and Road Oil	-	-	-	-66	-	1	-65
Miscellaneous Products	-	-	-	-	-	-	-
Total Production	52,712	3,325	56,037	27,481	5,794	9,022	42,297
Processing Gain(-) or Loss(+) ¹	3	-2	1	5	2	2	9

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Finished Motor Gasoline	11,245	8,142	2,070	6,146	814	28,417	2,662	25,937	154,810
Reformulated	4,322	4,027	-	-	-	8,349	-	18,835	53,132
Reformulated Blended with Fuel Ethanol	4,322	4,027	-	-	-	8,349	-	18,835	53,132
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	6,923	4,115	2,070	6,146	814	20,068	2,662	7,102	101,678
Conventional Blended with Fuel Ethanol	7,058	825	2,040	6,688	837	17,448	3,609	8,197	103,882
Ed55 and Lower	7,044	825	2,040	6,681	837	17,427	3,603	8,181	103,742
Greater than Ed55	14	-	-	7	-	21	6	16	140
Conventional Other	-135	3,290	30	-542	-23	2,620	-947	-1,095	-2,204
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	0	-2	8	-	0	6	16	-10	-1
Kerosene	-	-2	1	-	-	-1	-	11	-10
Distillate Fuel Oil	30	550	20	32	15	647	4	337	1,657
15 ppm sulfur and under	30	1,341	-9	32	15	1,409	4	326	2,398
Greater than 15 ppm to 500 ppm sulfur	-	-675	-	-	-	-675	-	-	-526
Greater than 500 ppm sulfur	-	-116	29	-	-	-87	-	11	-215
Residual Fuel Oil	-	-548	-53	-	-	-601	-	2	-630
Less than 0.31 percent sulfur	-	-	-	-	-	-	-	2	-33
0.31 to 1.00 percent sulfur	-	-	-	-	-	-	-	-	1
Greater than 1.00 percent sulfur	-	-548	-53	-	-	-601	-	-	-598
Special Naphthas	-	-	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil	-	-	53	-	-	53	-	-	-12
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total Production	11,275	8,140	2,099	6,178	829	28,521	2,682	26,277	155,814
Processing Gain(-) or Loss(+) ¹	1	0	0	0	0	1	2	0	13

- = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal and Blender Report."

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2020
 (Thousands Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	
Crude Oil	6,531	609	7,140	9,943	1,834	2,266	14,043
Petroleum Products	10,283	2,335	12,618	25,647	7,636	11,240	44,523
Hydrocarbon Gas Liquids	404	13	417	1,957	264	974	3,195
Natural Gas Liquids	265	13	278	1,706	245	966	2,917
Ethane	—	—	—	—	—	—	—
Propane	54	1	55	318	26	121	465
Normal Butane	111	2	113	990	174	227	1,391
Isobutane	100	10	110	295	45	312	652
Natural Gasoline	—	—	—	103	—	306	409
Refinery Olefins	139	0	139	251	19	8	278
Ethylene	—	—	—	—	—	—	—
Propylene	81	0	81	222	19	7	248
Normal Butylene	39	0	39	29	0	1	30
Isobutylene	19	0	19	0	0	0	0
Oxygenates/Renewable Fuels/Other Hydrocarbons	140	89	229	54	81	21	156
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	140	89	229	41	81	21	143
Fuel Ethanol	140	83	223	24	66	17	107
Renewable Diesel Fuel ²	—	6	6	17	15	4	36
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	13	—	—	13
Unfinished Oils	3,632	500	4,132	7,934	1,430	4,338	13,702
Naphthas and Lighter	686	391	1,077	2,137	198	1,263	3,598
Kerosene and Light Gas Oils	656	—	656	1,693	233	375	2,301
Heavy Gas Oils	1,534	103	1,637	2,921	995	1,706	5,622
Residuum	756	6	762	1,183	4	994	2,181
Motor Gasoline Blending Components (MGBC)	3,124	236	3,360	7,148	1,518	3,035	11,701
Reformulated - RBOB	860	—	860	929	—	—	929
Conventional	2,264	236	2,500	6,219	1,518	3,035	10,772
CBOB	362	157	519	2,264	901	2,222	5,387
GTAB	—	—	—	—	—	—	—
Other	1,902	79	1,981	3,955	617	813	5,385
Aviation Gasoline Blending Components	—	—	—	—	—	—	—
Finished Motor Gasoline	—	28	28	516	142	304	962
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	28	28	516	142	304	962
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	28	28	516	142	304	962
Finished Aviation Gasoline	—	—	—	—	50	—	50
Kerosene-Type Jet Fuel	209	—	209	1,024	254	124	1,402
Kerosene	107	—	107	114	—	19	133
Distillate Fuel Oil	1,328	151	1,479	3,058	1,050	1,687	5,795
15 ppm sulfur and under	1,023	108	1,131	2,929	909	1,489	5,327
Greater than 15 ppm to 500 ppm sulfur	161	18	179	—	9	94	103
Greater than 500 ppm sulfur	144	25	169	129	132	104	365
Residual Fuel Oil	480	15	495	579	194	33	806
Less than 0.31 percent sulfur	55	13	68	63	—	—	63
0.31 to 1.00 percent sulfur	152	2	154	124	18	—	142
Greater than 1.00 percent sulfur	273	—	273	392	176	33	601
Petrochemical Feedstocks	4	—	4	467	—	—	467
Naphtha for Petro. Feed. Use	4	—	4	379	—	—	379
Other Oils for Petro. Feed. Use	—	—	—	88	—	—	88
Special Naphthas	—	24	24	61	—	13	74
Lubricants	710	278	988	—	—	236	236
Waxes	—	354	354	—	—	62	62
Petroleum Coke	—	—	—	223	830	140	1,193
Marketable	—	—	—	223	830	140	1,193
Catalyst	—	—	—	—	—	—	—
Asphalt and Road Oil	133	611	744	2,442	1,811	250	4,503
Miscellaneous Products	12	36	48	70	12	4	86
Total Stocks, All Oils	16,814	2,944	19,758	35,590	9,470	13,506	58,566

See footnotes at end of table.

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2020
 (Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	2,169	26,738	18,513	1,402	394	49,216	2,726	23,511	96,636
Petroleum Products	10,206	55,659	47,468	4,035	1,195	118,563	11,017	49,448	236,169
Hydrocarbon Gas Liquids	1,912	2,450	4,135	15	52	8,564	429	1,446	14,051
Natural Gas Liquids	1,208	2,342	2,257	14	52	5,873	343	1,396	10,807
Ethane	35	—	—	—	—	35	—	—	35
Propane	165	371	84	2	2	624	28	92	1,264
Normal Butane	622	1,737	774	9	11	3,153	214	823	5,694
Isobutane	232	216	1,225	3	21	1,697	93	478	3,030
Natural Gasoline	154	18	174	—	18	364	8	3	784
Refinery Olefins	704	108	1,878	1	0	2,691	86	50	3,244
Ethylene	0	—	—	—	—	0	—	—	0
Propylene	702	53	333	1	0	1,089	0	16	1,434
Normal Butylene	2	55	1,545	0	0	1,602	86	34	1,791
Isobutylene	0	0	0	0	0	0	0	0	19
Oxygenates/Renewable Fuels/Other Hydrocarbons	42	81	316	123	13	575	211	248	1,419
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	42	81	316	123	13	575	211	248	1,406
Fuel Ethanol	35	48	78	40	10	211	134	38	713
Renewable Diesel Fuel ²	7	33	238	83	3	364	77	210	693
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—	—	13
Unfinished Oils	2,968	21,042	16,789	878	523	42,200	3,094	19,981	83,109
Naphthas and Lighter	1,355	5,805	1,932	234	116	9,442	750	3,213	18,080
Kerosene and Light Gas Oils	617	3,673	2,368	158	151	6,967	532	4,753	15,209
Heavy Gas Oils	656	8,566	9,442	431	256	19,351	1,396	9,176	37,182
Residuum	340	2,998	3,047	55	—	6,440	416	2,839	12,638
Motor Gasoline Blending Components (MGBC)	2,742	12,149	10,181	330	266	25,668	3,040	12,757	56,526
Reformulated - RBOB	268	1,620	348	—	—	2,236	—	4,535	8,560
Conventional	2,474	10,529	9,833	330	266	23,432	3,040	8,222	47,966
CBOB	1,375	3,273	5,175	215	61	10,099	1,695	2,250	19,950
GTAB	—	—	—	—	—	—	—	—	—
Other	1,099	7,256	4,658	115	205	13,333	1,345	5,972	28,016
Aviation Gasoline Blending Components	30	—	11	—	—	41	—	—	41
Finished Motor Gasoline	233	660	1,303	11	—	2,207	989	866	5,052
Reformulated	—	—	—	—	—	—	—	21	21
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	21	21
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	233	660	1,303	11	—	2,207	989	845	5,031
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	50	—	50
Ed55 and Lower	—	—	—	—	—	—	50	—	50
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	233	660	1,303	11	—	2,207	939	845	4,981
Finished Aviation Gasoline	51	270	130	—	—	451	4	160	665
Kerosene-Type Jet Fuel	350	2,371	1,979	51	—	4,751	311	3,136	9,809
Kerosene	23	7	43	3	—	76	1	1	318
Distillate Fuel Oil	1,088	7,799	6,740	296	140	16,063	1,832	6,244	31,413
15 ppm sulfur and under	1,029	6,914	4,959	207	140	13,249	1,627	5,393	26,727
Greater than 15 ppm to 500 ppm sulfur	59	167	924	27	—	1,177	137	257	1,853
Greater than 500 ppm sulfur	—	718	857	62	—	1,637	68	594	2,833
Residual Fuel Oil	59	1,608	1,260	8	65	3,000	201	1,940	6,442
Less than 0.31 percent sulfur	8	—	61	—	—	69	29	—	229
0.31 to 1.00 percent sulfur	—	93	33	8	—	134	4	107	541
Greater than 1.00 percent sulfur	51	1,515	1,166	—	65	2,797	168	1,833	5,672
Petrochemical Feedstocks	102	1,542	720	20	—	2,384	—	1	2,856
Naphtha for Petro. Feed. Use	25	968	660	20	—	1,673	—	1	2,057
Other Oils for Petro. Feed. Use	77	574	60	—	—	711	—	—	799
Special Naphthas	118	594	—	128	—	840	—	46	984
Lubricants	44	2,511	1,927	751	—	5,233	—	372	6,829
Waxes	—	72	96	82	—	250	—	—	666
Petroleum Coke	11	2,086	1,215	—	—	3,312	172	1,162	5,839
Marketable	11	2,086	1,215	—	—	3,312	172	1,162	5,839
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	410	186	500	1,339	107	2,542	721	1,004	9,514
Miscellaneous Products	23	231	123	—	29	406	12	84	636
Total Stocks, All Oils	12,375	82,397	65,981	5,437	1,589	167,779	13,743	72,959	332,805

— = Not Applicable.

— = No Data Reported.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 35. Percent Yield of Petroleum Products by PAD and Refining Districts, April 2020

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	4.6	2.0	4.3	6.6	4.5	3.2	5.5
Finished Motor Gasoline ¹	45.8	34.6	44.3	45.1	42.0	45.1	44.7
Finished Aviation Gasoline ²	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	-0.2	-	-0.2	4.8	1.7	0.8	3.5
Kerosene	0.3	-	0.3	0.0	-	0.1	0.0
Distillate Fuel Oil ³	38.8	27.2	37.3	32.7	39.0	44.5	36.1
Residual Fuel Oil	5.2	0.0	4.5	1.0	1.0	0.3	0.9
Naphtha for Petro. Feed. Use	0.0	-	0.0	0.6	-	-	0.4
Other Oils for Petro. Feed. Use	-	-	-	0.6	-	0.0	0.4
Special Naphthas	-	0.2	0.0	0.0	-	0.0	0.0
Lubricants	1.4	6.7	2.1	-	-	1.0	0.2
Waxes	-	-0.1	0.0	-	-	0.2	0.0
Petroleum Coke	3.8	0.6	3.4	5.7	5.9	3.5	5.3
Asphalt and Road Oil	1.8	23.3	4.6	4.3	7.2	0.9	4.0
Still Gas	5.0	1.3	4.5	3.6	4.3	4.4	3.9
Miscellaneous Products	0.3	1.5	0.4	0.5	0.8	0.2	0.5
Processing Gain(-) or Loss(+) ⁴	-6.6	2.6	-5.4	-5.4	-6.3	-4.3	-5.3

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	3.7	6.2	6.2	1.2	1.1	5.8	3.0	2.8	5.2
Finished Motor Gasoline ¹	47.4	37.8	38.1	28.8	50.1	38.5	40.4	42.0	40.7
Finished Aviation Gasoline ²	0.5	0.1	0.1	-	-	0.1	0.0	0.1	0.1
Kerosene-Type Jet Fuel	3.3	4.7	5.1	1.1	-	4.6	3.3	9.2	4.7
Kerosene	0.0	0.1	-0.1	0.1	-	0.0	-	0.0	0.0
Distillate Fuel Oil ³	39.3	39.7	40.1	37.6	44.2	39.8	39.3	33.7	38.1
Residual Fuel Oil	1.5	0.2	1.6	0.1	1.6	0.8	2.2	2.5	1.3
Naphtha for Petro. Feed. Use	0.6	2.2	1.3	-	-	1.7	-	-	1.0
Other Oils for Petro. Feed. Use	0.1	1.8	2.1	-	-	1.7	-	-	1.1
Special Naphthas	0.5	0.6	-	3.2	-	0.4	-	0.1	0.3
Lubricants	0.1	1.3	1.6	9.3	-	1.5	-	0.9	1.1
Waxes	-	0.0	0.0	0.4	-	0.0	-	-	0.0
Petroleum Coke	1.8	6.7	5.4	2.5	0.9	5.7	4.0	6.3	5.5
Asphalt and Road Oil	1.4	0.5	0.5	12.1	-0.1	0.9	7.3	1.3	2.0
Still Gas	3.9	4.3	3.9	3.4	2.6	4.1	3.9	5.6	4.2
Miscellaneous Products	0.9	0.8	0.5	0.0	1.0	0.7	0.6	0.6	0.6
Processing Gain(-) or Loss(+) ⁴	-4.9	-6.9	-6.4	0.2	-1.6	-6.3	-4.1	-5.1	-5.8

- = No Data Reported.

¹ Based on net production of finished motor gasoline minus input of natural gas plant liquids, fuel ethanol, oxygenates, and net input of motor gasoline blending components.² Based on finished aviation gasoline net production minus net input of aviation gasoline blending components.³ Based on distillate fuel oil net production minus input of biodiesel, "other" renewable diesel fuels, and "other" renewable fuels.⁴ Represents the arithmetic difference between input and production.

Note: Percent yield is calculated as net production (or adjusted net production) divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Calculated from data on Tables 30 and 31.

Table 36. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, April 2020
 (Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil			
	Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
PAD District 1	770	1,360	415	2,545
Connecticut	—	—	—	—
Delaware	—	4	—	4
Florida	96	—	101	197
Georgia	—	—	—	—
Maine	—	—	—	—
Maryland	—	—	—	—
Massachusetts	—	—	—	—
New Hampshire	—	—	—	—
New Jersey	58	496	135	689
New York	166	643	94	903
North Carolina	—	—	—	—
Pennsylvania	450	217	85	752
Rhode Island	—	—	—	—
South Carolina	—	—	—	—
Vermont	—	—	—	—
Virginia	—	—	—	—
West Virginia	—	—	—	—
PAD District 2	—	55	—	55
Illinois	—	—	—	—
Indiana	—	—	—	—
Michigan	—	35	—	35
Minnesota	—	3	—	3
North Dakota	—	17	—	17
Ohio	—	—	—	—
Wisconsin	—	—	—	—
PAD District 3	—	—	3,540	3,540
Alabama	—	—	—	—
Louisiana	—	—	490	490
Mississippi	—	—	—	—
New Mexico	—	—	—	—
Texas	—	—	3,050	3,050
PAD District 4	—	—	—	—
Idaho	—	—	—	—
Montana	—	—	—	—
PAD District 5	—	58	88	146
Alaska	—	—	—	—
California	—	—	88	88
Hawaii	—	—	—	—
Oregon	—	—	—	—
Washington	—	58	—	58
U.S. Total	770	1,473	4,043	6,286

— = No Data Reported.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 37. Imports of Crude Oil and Petroleum Products by PAD District, April 2020
 (Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil ^{1,2}	10,950	74,833	50,033	8,224	21,546	165,586	5,520
Hydrocarbon Gas Liquids	892	1,449	—	296	1,198	3,835	128
Natural Gas Liquids	656	1,234	—	296	1,167	3,353	112
Ethane	—	—	—	—	—	—	—
Propane	651	1,003	—	275	823	2,752	92
Normal Butane	—	165	—	19	338	522	17
Isobutane	5	64	—	2	6	77	3
Natural Gasoline	—	2	—	—	—	2	0
Refinery Olefins	236	215	—	—	31	482	16
Ethylene	—	—	—	—	—	—	—
Propylene	236	169	—	—	—	405	14
Normal Butylene	—	46	—	—	31	77	3
Isobutylene	—	—	—	—	—	—	—
Other Liquids	8,308	308	11,985	46	2,609	23,256	775
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	297	122	142	27	701	1,289	43
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates ³	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	297	122	128	27	701	1,275	43
Fuel Ethanol	—	—	—	—	—	—	—
Biodiesel	297	122	128	27	37	611	20
Other Renewable Diesel Fuel	—	—	—	—	664	664	22
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	14	—	—	14	0
Unfinished Oils ¹	838	—	11,348	—	1,138	13,324	444
Naphthas and Lighter	—	—	—	—	—	—	—
Kerosene and Lighter Gas Oils	—	—	23	—	—	23	1
Heavy Gas Oils	838	—	3,210	—	1,138	5,186	173
Residuum	—	—	8,115	—	—	8,115	271
Motor Gasoline Blend. Comp. (MGBC)	7,173	186	495	19	770	8,643	288
Reformulated - RBOB	2,337	—	—	—	—	2,337	78
Conventional	4,836	186	495	19	770	6,306	210
CBOB	514	—	—	—	—	514	17
GTAB	1,175	—	148	—	—	1,323	44
Other	3,147	186	347	19	770	4,469	149
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	13,040	1,041	6,324	211	3,774	24,390	813
Finished Motor Gasoline	2,270	—	—	—	417	2,687	90
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	2,270	—	—	—	417	2,687	90
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	2,270	—	—	—	417	2,687	90
Finished Aviation Gasoline	1	4	33	—	2	40	1
Kerosene-Type Jet Fuel	1,062	—	650	—	2,568	4,280	143
Bonded Aircraft Fuel	56	—	—	—	—	56	2
Other	1,006	—	650	—	2,568	4,224	141
Kerosene	—	—	—	—	—	—	—
Distillate Fuel Oil	6,081	194	—	169	480	6,924	231
15 ppm sulfur and under	5,899	193	—	169	479	6,740	225
Bonded	—	—	—	—	—	—	—
Other	5,899	193	—	169	479	6,740	225
Greater than 15 ppm to 500 ppm sulfur	182	—	—	—	—	182	6
Bonded	—	—	—	—	—	—	—
Other	182	—	—	—	—	182	6
Greater than 500 ppm to 2000 ppm sulfur	—	1	—	—	1	2	0
Bonded	—	—	—	—	—	—	—
Other	—	1	—	—	1	2	0
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	2,545	55	3,540	—	146	6,286	210
Less than 0.31 percent sulfur	770	—	—	—	—	770	26
0.31 to 1.00 percent sulfur	1,360	55	—	—	58	1,473	49
Greater than 1.00 percent sulfur	415	—	3,540	—	88	4,043	135
Petrochemical Feedstocks	3	158	334	—	—	495	17
Naphtha for Petro. Feed. Use	—	77	308	—	—	385	13
Other Oils for Petro. Feed. Use	3	81	26	—	—	110	4
Special Naphthas	1	7	630	—	—	638	21
Lubricants	90	100	829	—	5	1,024	34
Waxes	67	3	37	—	58	165	6
Petroleum Coke (Marketable)	2	30	271	—	28	331	11
Asphalt and Road Oil	918	490	—	41	70	1,519	51
Miscellaneous Products	—	—	—	1	—	1	0
Total	33,190	77,631	68,342	8,777	29,127	217,067	7,236

— = Not Applicable.

— = No Data Reported.

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

3 Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 38. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January-April 2020
 (Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil ^{1,2}	54,312	315,327	208,511	39,020	131,320	748,490	6,186
Hydrocarbon Gas Liquids	5,225	7,415	101	1,482	5,620	19,843	164
Natural Gas Liquids	4,379	6,593	35	1,482	5,589	18,078	149
Ethane	—	—	—	—	—	—	—
Propane	4,150	5,179	35	1,300	3,855	14,519	120
Normal Butane	51	933	—	138	1,629	2,751	23
Isobutane	178	455	—	44	105	782	6
Natural Gasoline	—	26	—	—	—	26	0
Refinery Olefins	846	822	66	—	31	1,765	15
Ethylene	—	—	—	—	—	—	—
Propylene	846	636	—	—	—	1,482	12
Normal Butylene	—	186	66	—	31	283	2
Isobutylene	—	—	—	—	—	—	—
Other Liquids	49,262	1,882	66,076	245	9,224	126,689	1,047
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	879	307	215	99	2,923	4,423	37
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates ³	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	879	307	185	99	2,923	4,393	36
Fuel Ethanol	—	—	—	—	679	679	6
Biodiesel	879	307	185	99	112	1,582	13
Other Renewable Diesel Fuel	—	—	—	—	2,132	2,132	18
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	30	—	—	30	0
Unfinished Oils ¹	6,883	168	60,689	—	3,224	70,964	586
Naphthas and Lighter	1,408	—	1,591	—	172	3,171	26
Kerosene and Lighter Gas Oils	—	75	59	—	—	134	1
Heavy Gas Oils	5,475	93	19,452	—	2,866	27,886	230
Residuum	—	—	39,587	—	186	39,773	329
Motor Gasoline Blend. Comp. (MGBC)	41,500	1,407	5,172	146	3,077	51,302	424
Reformulated - RBOB	18,373	—	—	—	639	19,012	157
Conventional	23,127	1,407	5,172	146	2,438	32,290	267
CBOB	3,073	248	—	—	646	3,967	33
GTAB	4,562	—	460	—	—	5,022	42
Other	15,492	1,159	4,712	146	1,792	23,301	193
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	46,302	4,655	21,188	760	18,819	91,724	758
Finished Motor Gasoline	10,680	—	—	—	1,227	11,907	98
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	10,680	—	—	—	1,227	11,907	98
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	10,680	—	—	—	1,227	11,907	98
Finished Aviation Gasoline	4	12	33	—	4	53	0
Kerosene-Type Jet Fuel	4,135	—	650	62	13,439	18,286	151
Bonded Aircraft Fuel	1,114	—	—	—	5,751	6,865	57
Other	3,021	—	650	62	7,688	11,421	94
Kerosene	—	—	—	—	20	20	0
Distillate Fuel Oil	19,764	1,292	—	539	1,433	23,028	190
15 ppm sulfur and under	19,184	1,206	—	539	1,429	22,358	185
Bonded	288	90	—	—	—	378	3
Other	18,896	1,116	—	539	1,429	21,980	182
Greater than 15 ppm to 500 ppm sulfur	317	—	—	—	—	317	3
Bonded	—	—	—	—	—	—	—
Other	317	—	—	—	—	317	3
Greater than 500 ppm to 2000 ppm sulfur	263	86	—	—	4	353	3
Bonded	—	—	—	—	—	—	—
Other	263	86	—	—	4	353	3
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	6,547	472	12,206	—	1,929	21,154	175
Less than 0.31 percent sulfur	789	—	—	—	—	789	7
0.31 to 1.00 percent sulfur	2,836	303	731	—	460	4,330	36
Greater than 1.00 percent sulfur	2,922	169	11,475	—	1,469	16,035	133
Petrochemical Feedstocks	339	646	1,190	—	85	2,260	19
Naphtha for Petro. Feed. Use	332	346	1,122	—	85	1,885	16
Other Oils for Petro. Feed. Use	7	300	68	—	—	375	3
Special Naphthas	8	34	1,714	—	—	1,756	15
Lubricants	651	529	4,061	—	122	5,363	44
Waxes	305	50	142	—	157	654	5
Petroleum Coke (Marketable)	6	104	1,159	—	119	1,388	11
Asphalt and Road Oil	3,863	1,516	33	155	284	5,851	48
Miscellaneous Products	—	—	—	4	—	4	0
Total	155,101	329,279	295,876	41,507	164,983	986,746	8,155

— = Not Applicable.

— = No Data Reported.

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

3 Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, April 2020
 (Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	19,230	80	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	907	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	80	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	4,184	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	1,707	-	-	-	-	-	-	-	-	-
Saudi Arabia	12,432	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	146,356	3,273	482	13,324	-	2,687	2,687	2,337	6,306	8,643
Argentina	724	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	531	-	34	34	-	-
Brazil	2,685	-	-	-	-	78	78	-	59	59
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	956	-	-	-	-	-	-	-	-	-
Canada	107,885	3,122	482	93	-	185	185	1,764	1,246	3,010
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	7,245	-	-	314	-	108	108	-	-	-
Denmark	-	-	-	-	53	-	4	4	-	-
Ecuador	4,925	-	-	366	-	-	-	-	-	-
Egypt	4	-	-	76	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	77	77
France	-	-	-	-	-	439	439	125	-	125
Germany	-	-	-	85	-	-	-	-	-	-
Guatemala	268	-	-	-	-	-	-	-	-	-
India	-	-	-	353	-	333	333	-	419	419
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	521	-	-	-	-	509	509
Korea, South	-	-	-	-	-	384	384	-	831	831
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	17,108	-	-	314	-	-	-	-	-	-
Netherlands	-	-	-	106	-	331	331	-	1,793	1,793
Norway	240	151	-	-	-	81	81	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	693	693	145	30	175
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	396	-	-	9,965	-	-	-	-	235	235
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	356	-	17	17	-	129	129
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	655	-	-	49	-	-	-	303	536	839
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	3,265	0	0	142	-	0	0	0	442	442
Total	165,586	3,353	482	13,324	-	2,687	2,687	2,337	6,306	8,643
Persian Gulf ³	16,616	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, April 2020
 (Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels			Distillate Fuel Oil					
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen- ates	Fuel Ethanol	Biomass- Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	611	664	-	6,740	182	2	-	6,924
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	240	-	-	-	4,889	22	2	-	4,913
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	333	-	-	-	333
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	282	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	160	-	-	160
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	32	-	-	-	48	-	-	-	48
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	331	-	-	-	331
Russia	--	--	-	-	-	-	499	-	-	-	499
Spain	--	--	57	-	-	-	640	-	-	-	640
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	0	664	-	0	0	0	0	-	0
Total	--	--	-	611	664	-	6,740	182	2	-	6,924
Persian Gulf³	--	--	-	-	-	-	331	-	-	-	331

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, April 2020
 (Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	-	-	-	466	45	-	28	309	337
Algeria	-	-	-	-	-	-	24	-	24
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	4	-	4
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	17	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	449	45	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	309	309
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	40	-	3,814	593	770	1,445	3,734	5,949
Argentina	-	-	-	-	-	-	135	-	135
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	174	371	545
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	398	398
Brazil	-	-	-	-	-	35	6	255	296
Brunei	-	-	-	315	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	7	-	14	91	679	278	259	1,216
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	107	-	-	12	135	147
Denmark	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	34	-	-	-	-
Germany	-	-	-	-	36	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	2,279	199	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	49	34	35	-	1,193	1,228
Netherlands	-	33	-	-	-	-	386	-	386
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	393	-	393
Qatar	-	-	-	143	-	-	-	-	-
Russia	-	-	-	-	-	18	-	1,120	1,138
Spain	-	-	-	-	26	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	20	-	20
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	0	-	907	173	3	41	3	47
Total	-	40	-	4,280	638	770	1,473	4,043	6,286
Persian Gulf³	-	-	-	609	45	-	-	309	309

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, April 2020
 (Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	-	-	-	-	-	88	-	1,016	20,246	641	34	675
Algeria	-	-	-	-	-	-	24	24	-	1	1	-
Angola	-	-	-	-	-	-	-	907	30	-	-	30
Congo (Brazzaville)	-	-	-	-	-	-	4	4	-	0	0	-
Equatorial Guinea	-	-	-	-	-	-	80	80	-	3	3	-
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	17	4,201	139	1	140	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	1,707	57	-	57	-
Saudi Arabia	-	-	-	-	-	-	494	12,926	414	16	431	-
United Arab Emirates	-	-	-	-	88	-	397	397	-	13	13	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	385	110	165	331	1,519	936	1	50,465	196,821	4,879	1,682	6,561
Argentina	-	-	-	263	-	7	-	405	1,129	24	14	38
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	545	545	-	18	18	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	11	-	974	974	-	32	32
Brazil	-	-	-	1	-	-	434	3,119	90	14	104	-
Brunei	-	-	-	-	-	-	315	315	-	11	11	-
Cameroon	-	-	-	-	-	-	-	956	32	-	32	-
Canada	77	84	52	56	985	131	1	14,759	122,644	3,596	492	4,088
Chad	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	40	-	-	-	-	40	40	-	1	1
Colombia	-	-	-	-	58	-	-	1,067	8,312	242	36	277
Denmark	-	-	-	-	-	-	-	57	57	-	2	2
Ecuador	-	-	-	-	-	-	-	366	5,291	164	12	176
Egypt	-	-	-	-	-	-	-	76	80	0	3	3
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	12	-	89	89	-	3	3
France	-	26	-	-	-	9	-	633	633	-	21	21
Germany	-	-	-	-	-	9	-	412	412	-	14	14
Guatemala	-	-	-	-	-	-	-	-	268	9	-	9
India	-	-	-	-	-	-	-	1,265	1,265	-	42	42
Indonesia	-	-	-	-	-	30	-	30	30	-	1	1
Italy	-	-	-	-	-	23	-	1,053	1,053	-	35	35
Korea, South	-	-	1	-	-	226	-	4,000	4,000	-	133	133
Latvia	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	199	-	-	-	-	-	-	1,824	18,932	570	61	631
Netherlands	-	-	-	-	-	139	-	2,799	2,799	-	93	93
Norway	-	-	-	-	-	-	-	232	472	8	8	16
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	1,261	1,261	-	42	42
Qatar	-	-	-	-	-	316	-	790	790	-	26	26
Russia	-	-	-	-	-	-	-	11,837	12,233	13	395	408
Spain	-	-	2	-	-	-	-	725	725	-	24	24
Sweden	-	-	-	2	-	1	-	505	505	-	17	17
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	37	8	-	21	-	974	1,629	22	32	54
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	109	0	33	1	476	1	0	2,998	6,263	109	100	210
Total	385	110	165	331	1,519	1,024	1	51,481	217,067	5,520	1,716	7,236
Persian Gulf ³	-	-	-	-	-	404	-	1,698	18,314	554	57	610

-- = Not Applicable.

- = No Data Reported.

1 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

3 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-April 2020
 (Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	97,347	449	-	1,435	-	321	321	-	1,461	1,461
Algeria	-	-	-	796	-	-	-	867	867	
Angola	1,859	-	-	-	-	-	-	308	308	
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	
Equatorial Guinea	-	449	-	-	-	-	-	-	-	
Gabon	-	-	-	-	-	-	-	-	-	
Iran	-	-	-	-	-	-	-	-	-	
Iraq	30,017	-	-	-	-	-	-	-	-	
Kuwait	3,413	-	-	-	-	-	-	-	-	
Libya	3,115	-	-	-	-	-	-	-	-	
Nigeria	7,241	-	-	-	-	-	-	286	286	
Saudi Arabia	51,702	-	-	639	-	321	321	-	-	
United Arab Emirates	-	-	-	-	-	-	-	-	-	
Venezuela	-	-	-	-	-	-	-	-	-	
Non-OPEC	651,143	17,629	1,765	69,529	-	11,586	11,586	19,012	30,829	49,841
Argentina	992	-	-	87	-	-	-	-	167	167
Aruba	-	-	-	-	-	-	-	-	-	
Australia	-	-	-	-	-	-	-	-	-	
Bahamas	-	-	-	-	-	-	-	-	-	
Bahrain	-	-	-	-	-	-	-	-	-	
Belgium	-	-	-	2,733	-	51	51	-	289	289
Brazil	10,464	-	-	-	-	421	421	-	1,380	1,380
Brunei	2,977	-	-	-	-	-	-	-	-	
Cameroon	3,267	-	-	-	-	-	-	-	-	
Canada	461,345	17,098	1,699	309	-	1,251	1,251	13,827	4,443	18,270
Chad	-	-	-	-	-	-	-	-	-	
China	-	-	-	-	-	-	-	-	-	
Colombia	34,581	-	-	1,814	-	108	108	-	-	
Denmark	-	-	-	53	-	6	6	-	-	
Ecuador	25,122	-	-	1,775	-	-	-	-	-	
Egypt	1,013	-	-	2,552	-	-	-	-	-	
Estonia	-	-	-	-	-	-	-	-	-	
Finland	-	-	-	-	-	-	-	-	1,488	1,488
France	-	-	-	-	-	1,936	1,936	420	-	420
Germany	-	-	-	85	-	67	67	-	14	14
Guatemala	549	-	-	-	-	-	-	-	-	
India	-	-	-	353	-	333	333	-	4,956	4,956
Indonesia	-	-	-	-	-	-	-	-	-	
Italy	-	-	-	761	-	-	-	-	1,857	1,857
Korea, South	-	-	-	-	-	1,013	1,013	-	1,666	1,666
Latvia	-	-	-	-	-	-	-	-	-	
Lithuania	-	-	-	-	-	-	-	-	-	
Malaysia	-	-	-	490	-	-	-	-	32	32
Mexico	83,293	-	66	3,338	-	-	-	-	300	300
Netherlands	-	-	-	423	-	1,978	1,978	2,550	3,050	5,600
Norway	263	151	-	181	-	162	162	-	296	296
Oman	-	-	-	-	-	-	-	-	-	
Portugal	-	-	-	220	-	2,389	2,389	145	753	898
Qatar	-	-	-	-	-	-	-	-	-	
Russia	11,551	-	-	49,912	-	466	466	-	2,539	2,539
Spain	-	-	-	310	-	820	820	-	1,674	1,674
Sweden	-	-	-	811	-	26	26	-	593	593
Syria	-	-	-	-	-	-	-	-	-	
Trinidad and Tobago	4,173	111	-	-	-	-	-	-	-	
United Kingdom	2,837	234	-	49	-	302	302	2,070	2,935	5,005
Vietnam	614	-	-	-	-	-	-	-	-	
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	
Yemen	-	-	-	-	-	-	-	-	-	
Other	8,102	35	0	3,273	-	257	257	0	2,397	2,397
Total	748,490	18,078	1,765	70,964	-	11,907	11,907	19,012	32,290	51,302
Persian Gulf ³	85,132	-	-	639	-	321	321	-	-	-

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-April 2020
 (Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels			Distillate Fuel Oil				Total	
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen- ates	Fuel Ethanol	Biomass- Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm		
OPEC	--	--	-	-	-	-	101	-	-	-	101
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	101	-	-	-	101
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	679	1,582	2,132	-	22,257	317	353	-	22,927
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	679	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	865	-	-	18,208	157	90	-	18,455
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	1,635	-	-	-	1,635
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	492	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	812	160	-	-	972
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	111	-	-	48	-	-	-	48
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	263	-	263
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	331	-	-	-	331
Russia	--	--	-	-	-	-	499	-	-	-	499
Spain	--	--	-	114	-	-	640	-	-	-	640
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	0	0	2,132	-	84	0	0	-	84
Total	--	--	679	1,582	2,132	-	22,358	317	353	-	23,028
Persian Gulf³	--	--	-	-	-	-	432	-	-	-	432

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-April 2020
 (Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	-	-	-	804	45	11	266	309	586
Algeria	-	-	-	-	-	11	210	-	221
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	4	-	4
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	17	-	-	-	-	-
Kuwait	-	-	-	73	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	52	-	52
Saudi Arabia	-	-	-	714	45	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	309	309
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	20	53	-	17,482	1,711	778	4,064	15,726	20,568
Argentina	-	-	-	-	-	1	456	-	457
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	174	1,358	1,532
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	100	411	511
Brazil	-	-	-	-	144	35	221	475	731
Brunei	-	-	-	762	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	20	20	-	1,135	207	680	898	1,559	3,137
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	312	-	-	-	1	1
Colombia	-	-	-	107	-	6	33	289	328
Denmark	-	-	-	-	-	-	75	-	75
Ecuador	-	-	-	15	-	-	-	763	763
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	34	-	-	-	-
Germany	-	-	-	-	36	-	36	-	36
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	480	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	8,672	814	-	-	-	-
Latvia	-	-	-	-	-	-	-	76	76
Lithuania	-	-	-	-	-	-	-	401	401
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	69	67	35	-	5,603	5,638
Netherlands	-	33	-	-	-	-	589	226	815
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	495	-	495
Qatar	-	-	-	143	-	-	-	-	-
Russia	-	-	-	-	-	18	68	3,608	3,694
Spain	-	-	-	-	26	-	-	-	-
Sweden	-	-	-	-	-	-	92	-	92
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	100	-	-	-	-	-
United Kingdom	-	-	-	284	-	-	190	-	190
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	0	0	-	5,403	383	3	637	956	1,596
Total	20	53	-	18,286	1,756	789	4,330	16,035	21,154
Persian Gulf ³	-	-	-	947	45	-	-	309	309

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-April 2020
 (Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	-	-	3	-	-	604	-	5,809	103,156	805	48	853
Algeria	-	-	-	-	-	-	-	1,884	1,884	-	16	16
Angola	-	-	-	-	-	-	-	308	2,167	15	3	18
Congo (Brazzaville)	-	-	-	-	-	-	-	4	4	-	0	0
Equatorial Guinea	-	-	-	-	-	-	-	449	449	-	4	4
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	17	30,034	248	0	248
Kuwait	-	-	-	-	-	-	-	73	3,486	28	1	29
Libya	-	-	-	-	-	-	-	-	3,115	26	-	26
Nigeria	-	-	-	-	-	-	-	338	7,579	60	3	63
Saudi Arabia	-	-	3	-	-	-	-	1,823	53,525	427	15	442
United Arab Emirates	-	-	-	-	-	604	-	913	913	-	8	8
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	1,885	375	651	1,388	5,851	4,759	4	232,447	883,590	5,381	1,921	7,302
Argentina	-	41	-	923	-	12	-	1,687	2,679	8	14	22
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	1,532	1,532	-	13	13
Bahrain	-	-	-	-	-	197	-	197	197	-	2	2
Belgium	1	-	-	-	-	91	-	3,676	3,676	-	30	30
Brazil	-	-	-	1	-	-	-	3,391	13,855	86	28	115
Brunei	-	-	-	-	-	-	-	762	3,739	25	6	31
Cameroon	-	-	-	-	-	-	-	-	3,267	27	-	27
Canada	346	307	248	223	4,647	932	4	69,173	530,518	3,813	572	4,384
Chad	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	206	-	-	-	-	519	519	-	4	4
Colombia	-	-	-	-	138	-	-	4,130	38,711	286	34	320
Denmark	-	-	-	-	-	-	-	134	134	-	1	1
Ecuador	-	-	-	-	-	-	-	2,553	27,675	208	21	229
Egypt	-	-	-	-	-	-	-	2,552	3,565	8	21	29
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	12	-	1,500	1,500	-	12	12
France	-	27	-	-	-	29	-	2,446	2,446	-	20	20
Germany	-	-	15	228	-	47	-	1,020	1,020	-	8	8
Guatemala	-	-	-	-	-	-	-	-	549	5	-	5
India	-	-	-	-	-	-	-	7,094	7,094	-	59	59
Indonesia	-	-	-	-	-	294	-	294	294	-	2	2
Italy	-	-	24	-	71	128	-	2,841	2,841	-	23	23
Korea, South	44	-	3	-	-	1,512	-	13,883	13,883	-	115	115
Latvia	-	-	-	-	-	-	-	76	76	-	1	1
Lithuania	-	-	-	-	-	-	-	401	401	-	3	3
Malaysia	-	-	1	-	-	-	-	523	523	-	4	4
Mexico	802	-	-	-	-	-	-	10,280	93,573	688	85	773
Netherlands	327	-	-	-	-	222	-	9,685	9,685	-	80	80
Norway	1	-	-	-	-	-	-	791	1,054	2	7	9
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	19	-	4,021	4,021	-	33	33
Qatar	-	-	-	-	-	1,087	-	1,561	1,561	-	13	13
Russia	-	-	-	-	-	23	-	57,133	68,684	95	472	568
Spain	-	-	5	-	379	38	-	4,006	4,006	-	33	33
Sweden	-	-	-	2	-	1	-	1,525	1,525	-	13	13
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	211	4,384	34	2	36
United Kingdom	21	-	62	8	-	113	-	6,268	9,105	23	52	75
Vietnam	-	-	-	-	-	-	-	-	614	5	-	5
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	343	0	87	3	616	2	0	16,582	24,684	68	138	205
Total	1,885	375	654	1,388	5,851	5,363	4	238,256	986,746	6,186	1,969	8,155
Persian Gulf ³	-	-	3	-	-	1,888	-	4,584	89,716	704	38	741

-- = Not Applicable.

- = No Data Reported.

1 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

3 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2020
 (Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	3,720	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	1,707	-	-	-	-	-	-	-	-	-
Saudi Arabia	2,013	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	7,230	656	236	838	-	2,270	2,270	2,337	4,836	7,173
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	34	34	-	-	-
Brazil	-	-	-	-	-	78	78	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	956	-	-	-	-	-	-	-	-	-
Canada	4,508	505	236	-	-	152	152	1,764	985	2,749
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	108	-	-	-
Denmark	-	-	-	-	-	4	4	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	4	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	77	77
France	-	-	-	-	-	439	439	125	-	125
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	333	333	-	201	201
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	509	509
Korea, South	-	-	-	-	-	-	-	-	350	350
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	499	-	-	314	-	-	-	-	-	-
Netherlands	-	-	-	-	-	331	331	-	1,793	1,793
Norway	240	151	-	-	-	81	81	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	693	693	145	30	175
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	431	-	-	-	-	235	235
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	93	-	17	17	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	303	536	839
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	1,023	0	0	0	-	108	0	0	120	120
Total	10,950	656	236	838	-	2,270	2,270	2,337	4,836	7,173
Persian Gulf ³	2,013	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2020
 (Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels			Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen- ates	Fuel Ethanol	Biomass- Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	
OPEC	--	--	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-
Non-OPEC	--	--	297	-	-	5,899	182	-	-	6,081
Argentina	--	--	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-
Canada	--	--	86	-	-	4,096	22	-	-	4,118
Chad	--	--	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	333	-	-	333
Denmark	--	--	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-
Germany	--	--	211	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	160	-	-	160
Indonesia	--	--	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	331	-	-	331
Russia	--	--	-	-	-	-	499	-	-	499
Spain	--	--	-	-	-	-	640	-	-	640
Sweden	--	--	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-
Other	--	--	0	-	-	0	0	-	-	0
Total	--	--	297	-	-	5,899	182	-	-	6,081
Persian Gulf³	--	--	-	-	-	331	-	-	-	331

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2020
 (Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	-	-	-	416	-	-	28	-	28
Algeria	-	-	-	-	-	-	24	-	24
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	4	-	4
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	17	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	399	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	1	-	646	1	770	1,332	415	2,517
Argentina	-	-	-	-	-	-	135	-	135
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	174	41	215
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	35	6	37	78
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	1	-	4	1	679	165	90	934
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	107	-	-	12	135	147
Denmark	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	56	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	49	-	35	-	90	125
Netherlands	-	-	-	-	-	-	386	-	386
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	393	-	393
Qatar	-	-	-	143	-	-	-	-	-
Russia	-	-	-	-	-	18	-	19	37
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	20	-	20
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	0	-	287	0	3	41	3	47
Total	-	1	-	1,062	1	770	1,360	415	2,545
Persian Gulf³	-	-	-	559	-	-	-	-	-

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2020
 (Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	-	-	-	-	-	-	-	444	4,164	124	15	139
Algeria	-	-	-	-	-	-	-	24	24	-	1	1
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	4	4	-	0	0
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	17	17	-	1	1
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	1,707	57	-	57
Saudi Arabia	-	-	-	-	-	-	-	399	2,412	67	13	80
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	3	67	2	918	90	-	21,796	29,026	241	727	968
Argentina	-	-	-	-	-	-	-	135	135	-	5	5
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	215	215	-	7	7
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	11	-	45	45	-	2	2
Brazil	-	-	-	1	-	-	-	157	157	-	5	5
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	956	32	-	-	32
Canada	-	3	49	-	384	41	-	9,263	13,771	150	309	459
Chad	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	8	-	-	-	-	8	8	-	0	0
Colombia	-	-	-	-	58	-	-	753	753	-	25	25
Denmark	-	-	-	-	-	-	-	4	4	-	0	0
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	4	0	-	0
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	77	77	-	3	3
France	-	-	-	-	-	6	-	570	570	-	19	19
Germany	-	-	-	-	-	3	-	214	214	-	7	7
Guatemala	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	694	694	-	23	23
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	5	-	514	514	-	17	17
Korea, South	-	-	1	-	-	23	-	430	430	-	14	14
Latvia	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	488	987	17	16	33
Netherlands	-	-	-	-	-	1	-	2,511	2,511	-	84	84
Norway	-	-	-	-	-	-	-	232	472	8	8	16
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	1,261	1,261	-	42	42
Qatar	-	-	-	-	-	-	-	474	474	-	16	16
Russia	-	-	-	-	-	-	-	1,202	1,202	-	40	40
Spain	-	-	2	-	-	-	-	642	642	-	21	21
Sweden	-	-	-	-	-	-	-	110	110	-	4	4
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	859	859	-	29	29
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	7	1	476	0	-	938	1,961	34	31	65
Total	-	3	67	2	918	90	-	22,240	33,190	365	741	1,106
Persian Gulf³	-	-	-	-	-	-	-	890	2,903	67	30	97

-- = Not Applicable.

- = No Data Reported.

1 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

3 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2020
 (Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	74,833	1,234	215	-	-	-	-	-	186	186
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	74,833	1,234	215	-	-	-	-	-	186	186
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	-	-	-	-	-	0	0
Total	74,833	1,234	215	-	-	-	-	-	186	186
Persian Gulf ³	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2020
 (Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels			Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen- ates	Fuel Ethanol	Biomass- Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	
OPEC	--	--	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	122	-	-	193	-	1	194
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	122	-	-	193	-	1	194
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	0	-	0	0
Total	--	--	-	122	-	-	193	-	1	194
Persian Gulf³	--	--	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2020
 (Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	4	-	-	7	-	55	-	55
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	4	-	-	7	-	55	-	55
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	0	-	0	-	0
Total	-	4	-	-	7	-	55	-	55
Persian Gulf³	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2020
 (Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	-	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	77	81	3	30	490	100	-	2,798	77,631	2,494	93	2,588
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-
Canada	77	81	3	28	490	86	-	2,782	77,615	2,494	93	2,587
Chad	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	12	-	12	12	-	0	0
France	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	1	-	1	1	-	0	0
Guatemala	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	2	-	1	-	3	3	-	0	0
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	0	0	-	0	0	0	0	1
Total	77	81	3	30	490	100	-	2,798	77,631	2,494	93	2,588
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-	-

-- = Not Applicable.

- = No Data Reported.

1 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

3 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2020
 (Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	7,170	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	986	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	6,184	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	42,863	-	-	11,348	-	-	-	-	495	495
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	531	-	-	-	-	-	-
Brazil	2,685	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	13,414	-	-	93	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	6,746	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	1,390	-	-	366	-	-	-	-	-	-
Egypt	-	-	-	76	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	85	-	-	-	-	-	-
Guatemala	268	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	218	218
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	392	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	148	148
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	16,205	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	106	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	396	-	-	9,387	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	263	-	-	-	-	129	129
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	422	-	-	49	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	1,337	-	-	0	-	-	-	-	0	0
Total	50,033	-	-	11,348	-	-	-	-	495	495
Persian Gulf ³	7,170	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2020
 (Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels			Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen- ates	Fuel Ethanol	Biomass- Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	
OPEC	--	--	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	128	-	-	-	-	-	-
Argentina	--	--	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-
Canada	--	--	-	-	-	-	-	-	-	-
Chad	--	--	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-
Denmark	--	--	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-
Germany	--	--	-	71	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	-	-	-	-
Spain	--	--	-	57	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	-	-	-	-
Total	--	--	-	128	-	-	-	-	-	-
Persian Gulf³	--	--	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2020
 (Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	-	-	-	50	45	-	-	309	309
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	50	45	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	309	309
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	33	-	600	585	-	-	3,231	3,231
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	330	330
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	398	398
Brazil	-	-	-	-	-	-	-	218	218
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	83	-	-	81	81
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	34	-	-	-	-
Germany	-	-	-	-	36	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	600	199	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	34	-	-	1,103	1,103
Netherlands	-	33	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	1,101	1,101
Spain	-	-	-	-	26	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	0	-	0	173	-	-	0	0
Total	-	33	-	650	630	-	-	3,540	3,540
Persian Gulf³	-	-	-	50	45	-	-	309	309

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2020
 (Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average			
	Naphtha	Other Oils								Crude Oil	Products	Total	
OPEC	-	-	-	-	-	88	-	492	7,662	239	16	255	
Algeria	-	-	-	-	-	-	-	-	-	-	-	-	
Angola	-	-	-	-	-	-	-	-	-	-	-	-	
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-	
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-	-	
Gabon	-	-	-	-	-	-	-	-	-	-	-	-	
Iran	-	-	-	-	-	-	-	-	-	-	-	-	
Iraq	-	-	-	-	-	-	-	-	986	33	-	33	
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	
Libya	-	-	-	-	-	-	-	-	-	-	-	-	
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-	
Saudi Arabia	-	-	-	-	-	-	-	95	6,279	206	3	209	
United Arab Emirates	-	-	-	-	88	-	397	397	-	-	13	13	
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-	
Non-OPEC	308	26	37	271	-	741	-	17,817	60,680	1,429	594	2,023	
Argentina	-	-	-	263	-	7	-	270	270	-	9	9	
Aruba	-	-	-	-	-	-	-	-	-	-	-	-	
Australia	-	-	-	-	-	-	-	-	-	-	-	-	
Bahamas	-	-	-	-	-	-	-	330	330	-	11	11	
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-	
Belgium	-	-	-	-	-	-	-	929	929	-	31	31	
Brazil	-	-	-	-	-	-	-	218	2,903	90	7	97	
Brunei	-	-	-	-	-	-	-	-	-	-	-	-	
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-	
Canada	-	-	-	-	-	-	-	257	13,671	447	9	456	
Chad	-	-	-	-	-	-	-	-	-	-	-	-	
China	-	-	-	-	-	-	-	-	-	-	-	-	
Colombia	-	-	-	-	-	-	-	-	6,746	225	-	225	
Denmark	-	-	-	-	-	-	-	-	-	-	-	-	
Ecuador	-	-	-	-	-	-	-	366	1,756	46	12	59	
Egypt	-	-	-	-	-	-	-	76	76	-	3	3	
Estonia	-	-	-	-	-	-	-	-	-	-	-	-	
Finland	-	-	-	-	-	-	-	-	-	-	-	-	
France	-	26	-	-	-	3	-	63	63	-	2	2	
Germany	-	-	-	-	-	5	-	197	197	-	7	7	
Guatemala	-	-	-	-	-	-	-	-	268	9	-	9	
India	-	-	-	-	-	-	-	218	218	-	7	7	
Indonesia	-	-	-	-	-	30	-	30	30	-	1	1	
Italy	-	-	-	-	-	18	-	410	410	-	14	14	
Korea, South	-	-	-	-	-	202	-	1,149	1,149	-	38	38	
Latvia	-	-	-	-	-	-	-	-	-	-	-	-	
Lithuania	-	-	-	-	-	-	-	-	-	-	-	-	
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	
Mexico	199	-	-	-	-	-	-	-	1,336	17,541	540	45	585
Netherlands	-	-	-	-	-	138	-	288	288	-	10	10	
Norway	-	-	-	-	-	-	-	-	-	-	-	-	
Oman	-	-	-	-	-	-	-	-	-	-	-	-	
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	
Qatar	-	-	-	-	-	316	-	316	316	-	11	11	
Russia	-	-	-	-	-	-	-	10,488	10,884	13	350	363	
Spain	-	-	-	-	-	-	-	83	83	-	3	3	
Sweden	-	-	-	-	-	-	-	392	392	-	13	13	
Syria	-	-	-	-	-	-	-	-	-	-	-	-	
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-	-	
United Kingdom	-	-	37	8	-	21	-	115	537	14	4	18	
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-	
Yemen	-	-	-	-	-	-	-	-	-	-	-	-	
Other	109	0	0	0	-	1	-	286	1,623	45	7	51	
Total	308	26	37	271	-	829	-	18,309	68,342	1,668	610	2,278	
Persian Gulf ³	-	-	-	-	-	404	-	808	7,978	239	27	266	

-- = Not Applicable.

- = No Data Reported.

1 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

3 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2020
 (Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
PAD District 4										
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	8,224	296	-	-	-	-	-	-	19	19
Canada	8,224	296	-	-	-	-	-	-	19	19
Ecuador	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Other	0	0	-	-	-	-	-	-	0	0
Total	8,224	296	-	-	-	-	-	-	19	19
PAD District 5										
OPEC	8,340	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	907	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	3,198	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	4,235	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	13,206	1,087	31	1,138	-	417	417	-	770	770
Argentina	724	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	59	59
Brunei	-	-	-	-	-	-	-	-	-	-
Canada	6,906	1,087	31	-	-	33	33	-	56	56
China	-	-	-	-	-	-	-	-	-	-
Colombia	499	-	-	314	-	-	-	-	-	-
Ecuador	3,535	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	142	-	-	-	-	90	90
Korea, South	-	-	-	-	-	384	384	-	333	333
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	404	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	232	232
United Kingdom	233	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	905	0	0	682	-	0	0	-	0	0
Total	21,546	1,167	31	1,138	-	417	417	-	770	770
Persian Gulf³	7,433	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2020
 (Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels			Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen- ates	Fuel Ethanol	Biomass- Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	
PAD District 4										
OPEC	--	--	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	27	-	-	169	-	-	169
Canada	-	-	-	27	-	-	169	-	-	169
Ecuador	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	0	-	-	0
Total	--	--	-	27	-	-	169	-	-	169
PAD District 5										
OPEC	--	--	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	37	664	-	479	-	1	480
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	5	-	-	431	-	1	432
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	32	-	-	48	-	-	48
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	664	-	0	-	0	0
Total	--	--	-	37	664	-	479	-	1	480
Persian Gulf ³	--	--	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2020
 (Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			Total
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	
PAD District 4									
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-
PAD District 5									
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	2	-	2,568	-	-	58	88	146
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	315	-	-	-	-	-
Canada	-	2	-	10	-	-	58	88	146
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	620	-	-	-	-	-
Korea, South	-	-	-	1,623	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	-	0	-	0	-	-	0	0	0
Total	-	2	-	2,568	-	-	58	88	146
Persian Gulf ³	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2020
 (Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
PAD District 4												
OPEC	-	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	41	-	1	553	8,777	274	18	293
Canada	-	-	-	-	41	-	1	553	8,777	274	18	293
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	0	-	0	0	0	0	0	0
Total	-	-	-	-	41	-	1	553	8,777	274	18	293
PAD District 5												
OPEC	-	-	-	-	-	-	-	80	8,420	278	3	281
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	907	30	-	30
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	3,198	107	-	107
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	4,235	141	-	141
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	58	28	70	5	-	7,501	20,707	440	250	690
Argentina	-	-	-	-	-	-	-	-	724	24	-	24
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	59	59	-	2	2
Brunei	-	-	-	-	-	-	-	315	315	-	11	11
Canada	-	-	-	28	70	4	-	1,904	8,810	230	63	294
China	-	-	32	-	-	-	-	32	32	-	1	1
Colombia	-	-	-	-	-	-	-	314	813	17	10	27
Ecuador	-	-	-	-	-	-	-	-	3,535	118	-	118
Finland	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	852	852	-	28	28
Korea, South	-	-	-	-	-	1	-	2,421	2,421	-	81	81
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	404	13	-	13
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	664	664	-	22	22
Sweden	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	26	-	-	-	-	258	258	-	9	9
United Kingdom	-	-	-	-	-	-	-	-	233	8	-	8
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	0	0	0	0	-	682	1,587	30	23	52
Total	-	-	58	28	70	5	-	7,581	29,127	718	253	971
Persian Gulf³	-	-	-	-	-	-	-	-	7,433	248	-	248

-- = Not Applicable.

- = No Data Reported.

1 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

3 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2020
 (Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	15,476	259	-	796	-	321	321	-	1,461	1,461
Algeria	-	-	-	796	-	-	-	867	867	
Angola	1	-	-	-	-	-	-	308	308	
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	
Equatorial Guinea	-	259	-	-	-	-	-	-	-	
Gabon	-	-	-	-	-	-	-	-	-	
Iran	-	-	-	-	-	-	-	-	-	
Iraq	-	-	-	-	-	-	-	-	-	
Kuwait	-	-	-	-	-	-	-	-	-	
Libya	-	-	-	-	-	-	-	-	-	
Nigeria	6,307	-	-	-	-	-	-	286	286	
Saudi Arabia	9,168	-	-	-	321	321	-	-	-	
United Arab Emirates	-	-	-	-	-	-	-	-	-	
Venezuela	-	-	-	-	-	-	-	-	-	
Non-OPEC	38,836	4,120	846	6,087	-	10,359	10,359	18,373	21,666	40,039
Argentina	-	-	-	-	-	-	-	-	-	
Aruba	-	-	-	-	-	-	-	-	-	
Australia	-	-	-	-	-	-	-	-	-	
Bahamas	-	-	-	-	-	-	-	-	-	
Bahrain	-	-	-	-	-	-	-	-	-	
Belgium	-	-	-	105	-	51	51	-	68	68
Brazil	-	-	-	-	-	421	421	-	936	936
Brunei	-	-	-	-	-	-	-	-	-	
Cameroon	3,267	-	-	-	-	-	-	-	-	
Canada	20,803	3,735	846	-	-	1,037	1,037	13,827	2,767	16,594
Chad	-	-	-	-	-	-	-	-	-	
China	-	-	-	-	-	-	-	-	-	
Colombia	-	-	-	-	-	108	108	-	-	
Denmark	-	-	-	-	-	6	6	-	-	
Ecuador	-	-	-	-	-	-	-	-	-	
Egypt	1,013	-	-	-	-	-	-	-	-	
Estonia	-	-	-	-	-	-	-	-	-	
Finland	-	-	-	-	-	-	-	-	1,176	1,176
France	-	-	-	-	-	1,936	1,936	420	-	420
Germany	-	-	-	-	-	67	67	-	-	
Guatemala	-	-	-	-	-	-	-	-	-	
India	-	-	-	-	-	333	333	-	3,402	3,402
Indonesia	-	-	-	-	-	-	-	-	-	
Italy	-	-	-	-	-	-	-	-	1,648	1,648
Korea, South	-	-	-	-	-	-	-	-	350	350
Latvia	-	-	-	-	-	-	-	-	-	
Lithuania	-	-	-	-	-	-	-	-	-	
Malaysia	-	-	-	-	-	-	-	-	-	
Mexico	2,040	-	-	2,532	-	-	-	-	-	
Netherlands	-	-	-	-	-	1,978	1,978	1,911	2,857	4,768
Norway	263	151	-	-	-	162	162	-	296	296
Oman	-	-	-	-	-	-	-	-	-	
Portugal	-	-	-	220	-	2,389	2,389	145	712	857
Qatar	-	-	-	-	-	-	-	-	-	
Russia	6,981	-	-	2,462	-	466	466	-	2,302	2,302
Spain	-	-	-	310	-	820	820	-	1,394	1,394
Sweden	-	-	-	93	-	26	26	-	338	338
Syria	-	-	-	-	-	-	-	-	-	
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	
United Kingdom	399	-	-	-	-	302	302	2,070	2,652	4,722
Vietnam	-	-	-	-	-	-	-	-	-	
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	
Yemen	-	-	-	-	-	-	-	-	-	
Other	4,070	234	0	365	-	257	257	0	768	768
Total	54,312	4,379	846	6,883	-	10,680	10,680	18,373	23,127	41,500
Persian Gulf ³	9,168	-	-	-	-	321	321	-	-	-

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2020
 (Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels			Distillate Fuel Oil				Total	
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen- ates	Fuel Ethanol	Biomass- Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm		
OPEC	--	--	-	-	-	-	101	-	-	-	101
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	101	-	-	-	101
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	879	-	-	19,083	317	263	-	19,663
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	437	-	-	15,166	157	-	-	15,323
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	1,635	-	-	-	1,635
Denmark	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	421	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	812	160	-	-	972
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	21	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	263	-	263
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	331	-	-	-	331
Russia	-	-	-	-	-	-	499	-	-	-	499
Spain	-	-	-	-	-	-	640	-	-	-	640
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	0	0	0	-	0
Total	--	--	-	879	-	-	19,184	317	263	-	19,764
Persian Gulf ³	--	--	-	-	-	-	432	-	-	-	432

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2020
 (Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	-	-	-	754	-	11	266	-	277
Algeria	-	-	-	-	-	11	210	-	221
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	4	-	4
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	17	-	-	-	-	-
Kuwait	-	-	-	73	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	52	-	52
Saudi Arabia	-	-	-	664	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	4	-	3,381	8	778	2,570	2,922	6,270
Argentina	-	-	-	-	-	1	233	-	234
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	174	41	215
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	98	-	98
Brazil	-	-	-	-	-	35	45	37	117
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	4	-	1,047	8	680	358	813	1,851
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	107	-	6	33	285	324
Denmark	-	-	-	-	-	-	75	-	75
Ecuador	-	-	-	15	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	36	-	36
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	480	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	849	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	83	83
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	69	-	35	-	1,042	1,077
Netherlands	-	-	-	-	-	-	589	226	815
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	495	-	495
Qatar	-	-	-	143	-	-	-	-	-
Russia	-	-	-	-	-	18	10	44	72
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	92	-	92
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	100	-	-	-	-	-
United Kingdom	-	-	-	284	-	-	190	-	190
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	0	-	287	0	3	142	351	496
Total	-	4	-	4,135	8	789	2,836	2,922	6,547
Persian Gulf³	-	-	-	897	-	-	-	-	-

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2020
 (Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	-	-	-	-	-	53	-	4,022	19,498	128	33	161
Algeria	-	-	-	-	-	-	-	1,884	1,884	-	16	16
Angola	-	-	-	-	-	-	-	308	309	0	3	3
Congo (Brazzaville)	-	-	-	-	-	-	-	4	4	-	0	0
Equatorial Guinea	-	-	-	-	-	-	-	259	259	-	2	2
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	17	17	-	0	0
Kuwait	-	-	-	-	-	-	-	73	73	-	1	1
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	338	6,645	52	3	55
Saudi Arabia	-	-	-	-	-	-	-	1,086	10,254	76	9	85
United Arab Emirates	-	-	-	-	53	-	-	53	53	-	0	0
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	332	7	305	6	3,863	598	-	96,767	135,603	321	800	1,121
Argentina	-	-	-	-	-	1	-	235	235	-	2	2
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	215	215	-	2	2
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	1	-	-	-	-	75	-	398	398	-	3	3
Brazil	-	-	-	1	-	-	-	1,475	1,475	-	12	12
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	3,267	27	-	27
Canada	-	7	216	2	2,659	389	-	44,155	64,958	172	365	537
Chad	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	38	-	-	-	-	38	38	-	0	0
Colombia	-	-	-	-	138	-	-	2,312	2,312	-	19	19
Denmark	-	-	-	-	-	-	-	81	81	-	1	1
Ecuador	-	-	-	-	-	-	-	15	15	-	0	0
Egypt	-	-	-	-	-	-	-	-	1,013	8	-	8
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	1,176	1,176	-	10	10
France	-	-	-	-	-	20	-	2,376	2,376	-	20	20
Germany	-	-	15	-	32	-	-	571	571	-	5	5
Guatemala	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	5,187	5,187	-	43	43
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	71	8	-	1,727	1,727	-	14	14
Korea, South	-	-	3	-	-	45	-	1,268	1,268	-	10	10
Latvia	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	83	83	-	1	1
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	3,678	5,718	17	30	47
Netherlands	327	-	-	-	-	4	-	8,155	8,155	-	67	67
Norway	1	-	-	-	-	-	-	610	873	2	5	7
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	3,961	3,961	-	33	33
Qatar	-	-	-	-	-	-	-	474	474	-	4	4
Russia	-	-	-	-	-	23	-	5,824	12,805	58	48	106
Spain	-	-	5	-	379	-	-	3,548	3,548	-	29	29
Sweden	-	-	-	-	-	-	-	549	549	-	5	5
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	100	100	-	1	1
United Kingdom	3	-	-	-	-	-	-	5,735	6,134	3	47	51
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	0	0	28	3	616	1	-	2,821	6,891	34	24	57
Total	332	7	305	6	3,863	651	-	100,789	155,101	449	833	1,282
Persian Gulf³	-	-	-	-	-	53	-	1,703	10,871	76	14	90

-- = Not Applicable.

- = No Data Reported.

1 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

3 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2020
 (Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	315,327	6,593	822	168	-	-	-	-	1,407	1,407
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	314,350	6,593	822	168	-	-	-	-	1,407	1,407
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	500	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	477	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	-	-	-	-	0	0
Total	315,327	6,593	822	168	-	-	-	-	1,407	1,407
Persian Gulf ³	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2020
 (Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels			Distillate Fuel Oil				Total	
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen- ates	Fuel Ethanol	Biomass- Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm		
OPEC	--	--	-	-	-	-	-	-	-	-	
Algeria	-	-	-	-	-	-	-	-	-	-	
Angola	-	-	-	-	-	-	-	-	-	-	
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	
Gabon	-	-	-	-	-	-	-	-	-	-	
Iran	-	-	-	-	-	-	-	-	-	-	
Iraq	-	-	-	-	-	-	-	-	-	-	
Kuwait	-	-	-	-	-	-	-	-	-	-	
Libya	-	-	-	-	-	-	-	-	-	-	
Nigeria	-	-	-	-	-	-	-	-	-	-	
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	
Venezuela	-	-	-	-	-	-	-	-	-	-	
Non-OPEC	--	--	-	307	-	-	1,206	-	86	-	1,292
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	307	-	-	1,122	-	86	-	1,208
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	84	-	0	-	84
Total	--	--	-	307	-	-	1,206	-	86	-	1,292
Persian Gulf³	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2020
 (Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	12	-	-	34	-	303	169	472
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	12	-	-	34	-	303	169	472
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	0	-	0	0	0
Total	-	12	-	-	34	-	303	169	472
Persian Gulf³	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2020
 (Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	-	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	346	300	50	104	1,516	529	-	13,952	329,279	2,606	115	2,721
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	1	-	1	1	-	0	0
Brazil	-	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-
Canada	346	300	32	102	1,516	513	-	13,832	328,182	2,598	114	2,712
Chad	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	18	-	-	-	-	18	18	-	0	0
Colombia	-	-	-	-	-	-	-	-	500	4	-	4
Denmark	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	12	-	12	12	-	0	0
France	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	2	-	2	2	-	0	0
Guatemala	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	477	4	-	4
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	2	-	1	-	3	3	-	0	0
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	0	0	-	84	84	0	1	1
Total	346	300	50	104	1,516	529	-	13,952	329,279	2,606	115	2,721
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-	-

-- = Not Applicable.

- = No Data Reported.

1 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

3 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2020
 (Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	29,702	-	-	639	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	9,267	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	20,435	-	-	639	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	178,809	35	66	60,050	-	-	-	-	5,172	5,172
Argentina	-	-	-	-	-	-	-	-	167	167
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	2,628	-	-	-	-	221	221
Brazil	6,667	-	-	-	-	-	-	-	385	385
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	56,805	-	-	129	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	25,294	-	-	1,500	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	5,735	-	-	1,775	-	-	-	-	-	-
Egypt	-	-	-	2,552	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	312	312
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	85	-	-	-	-	14	14
Guatemala	549	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	1,554	1,554
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	632	-	-	-	-	209	209
Korea, South	-	-	-	-	-	-	-	-	148	148
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	490	-	-	-	-	-	-
Mexico	76,394	-	66	806	-	-	-	-	300	300
Netherlands	-	-	-	423	-	-	-	-	193	193
Norway	-	-	-	181	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	41	41
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	1,763	-	-	45,844	-	-	-	-	237	237
Spain	-	-	-	-	-	-	-	-	280	280
Sweden	-	-	-	718	-	-	-	-	255	255
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	1,444	-	-	-	-	-	-	-	-	-
United Kingdom	1,809	-	-	49	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	2,349	35	0	2,238	-	-	-	-	856	856
Total	208,511	35	66	60,689	-	-	-	-	5,172	5,172
Persian Gulf³	29,702	-	-	639	-	-	-	-	-	-

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2020
 (Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels			Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen- ates	Fuel Ethanol	Biomass- Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	
OPEC	--	--	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	185	-	-	-	-	-	-
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	71	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	114	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	-	-	-	-
Total	--	--	-	185	-	-	-	-	-	-
Persian Gulf³	--	--	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2020
 (Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	-	-	-	50	45	-	-	309	309
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	50	45	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	309	309
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	33	-	600	1,669	-	731	11,166	11,897
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	950	950
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	2	411	413
Brazil	-	-	-	-	144	-	176	438	614
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	165	-	-	243	243
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	4	4
Denmark	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	34	-	-	-	-
Germany	-	-	-	-	36	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	600	814	-	-	-	-
Latvia	-	-	-	-	-	-	-	76	76
Lithuania	-	-	-	-	-	-	-	318	318
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	67	-	-	4,561	4,561
Netherlands	-	33	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	58	3,564	3,622
Spain	-	-	-	-	26	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	0	-	0	383	-	495	601	1,096
Total	-	33	-	650	1,714	-	731	11,475	12,206
Persian Gulf³	-	-	-	50	45	-	-	309	309

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2020
 (Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	-	-	3	-	-	551	-	1,597	31,299	245	13	259
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	9,267	77	-	77
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	3	-	-	-	-	737	21,172	169	6	175
United Arab Emirates	-	-	-	-	551	-	860	860	-	-	7	7
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	1,122	68	139	1,159	33	3,510	-	85,768	264,577	1,478	709	2,187
Argentina	-	41	-	923	-	11	-	1,142	1,142	-	9	9
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	950	950	-	8	8
Bahrain	-	-	-	-	-	197	-	197	197	-	2	2
Belgium	-	-	-	-	-	15	-	3,277	3,277	-	27	27
Brazil	-	-	-	-	-	-	-	1,178	7,845	55	10	65
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	33	-	-	570	57,375	469	5	474
Chad	-	-	-	-	-	-	-	-	-	-	-	-
China	-	41	-	-	-	-	-	41	41	-	0	0
Colombia	-	-	-	-	-	-	-	1,504	26,798	209	12	221
Denmark	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	1,775	7,510	47	15	62
Egypt	-	-	-	-	-	-	-	2,552	2,552	-	21	21
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	312	312	-	3	3
France	-	27	-	-	-	9	-	70	70	-	1	1
Germany	-	-	-	228	-	13	-	447	447	-	4	4
Guatemala	-	-	-	-	-	-	-	-	549	5	-	5
India	-	-	-	-	-	-	-	1,554	1,554	-	13	13
Indonesia	-	-	-	-	-	294	-	294	294	-	2	2
Italy	-	-	24	-	-	120	-	985	985	-	8	8
Korea, South	44	-	-	-	-	1,421	-	3,027	3,027	-	25	25
Latvia	-	-	-	-	-	-	-	76	76	-	1	1
Lithuania	-	-	-	-	-	-	-	318	318	-	3	3
Malaysia	-	-	1	-	-	-	-	491	491	-	4	4
Mexico	802	-	-	-	-	-	-	6,602	82,996	631	55	686
Netherlands	-	-	-	-	-	218	-	891	891	-	7	7
Norway	-	-	-	-	-	-	-	181	181	-	1	1
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	19	-	60	60	-	0	0
Qatar	-	-	-	-	-	1,041	-	1,041	1,041	-	9	9
Russia	-	-	-	-	-	-	-	49,703	51,466	15	411	425
Spain	-	-	-	-	-	38	-	458	458	-	4	4
Sweden	-	-	-	-	-	-	-	973	973	-	8	8
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	1,444	12	-	12
United Kingdom	18	-	62	8	-	113	-	250	2,059	15	2	17
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	258	0	11	0	0	1	-	4,849	7,198	20	39	60
Total	1,122	68	142	1,159	33	4,061	-	87,365	295,876	1,723	722	2,445
Persian Gulf ³	-	-	3	-	-	1,789	-	2,835	32,537	245	23	269

-- = Not Applicable.

- = No Data Reported.

1 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

3 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2020
 (Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
PAD District 4										
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	39,020	1,482	-	-	-	-	-	-	146	146
Canada	39,020	1,482	-	-	-	-	-	-	146	146
Ecuador	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Other	0	0	-	-	-	-	-	-	0	0
Total	39,020	1,482	-	-	-	-	-	-	146	146
PAD District 5										
OPEC	52,169	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	1,858	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	20,750	-	-	-	-	-	-	-	-	-
Kuwait	3,413	-	-	-	-	-	-	-	-	-
Libya	3,115	-	-	-	-	-	-	-	-	-
Nigeria	934	-	-	-	-	-	-	-	-	-
Saudi Arabia	22,099	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	79,151	5,399	31	3,224	-	1,227	1,227	639	2,438	3,077
Argentina	992	-	-	87	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	3,797	-	-	-	-	-	-	-	59	59
Brunei	2,977	-	-	-	-	-	-	-	-	-
Canada	30,367	5,288	31	12	-	214	214	-	123	123
China	-	-	-	-	-	-	-	-	-	-
Colombia	8,787	-	-	314	-	-	-	-	-	-
Ecuador	19,387	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	286	-	-	-	-	461	461
Korea, South	-	-	-	-	-	1,013	1,013	-	1,168	1,168
Malaysia	-	-	-	-	-	-	-	-	32	32
Mexico	4,382	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	639	-	639
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	171	-	-	172	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	142	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	312	312
United Kingdom	629	-	-	-	-	-	-	-	283	283
Vietnam	614	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	7,048	111	0	2,211	-	0	0	0	0	0
Total	131,320	5,589	31	3,224	-	1,227	1,227	639	2,438	3,077
Persian Gulf³	46,262	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2020
 (Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels			Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen- ates	Fuel Ethanol	Biomass- Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	
PAD District 4										
OPEC	--	--	--	--	--	--	--	--	--	--
Algeria	--	--	--	--	--	--	--	--	--	--
Angola	--	--	--	--	--	--	--	--	--	--
Congo (Brazzaville)	--	--	--	--	--	--	--	--	--	--
Iran	--	--	--	--	--	--	--	--	--	--
Iraq	--	--	--	--	--	--	--	--	--	--
Kuwait	--	--	--	--	--	--	--	--	--	--
Libya	--	--	--	--	--	--	--	--	--	--
Nigeria	--	--	--	--	--	--	--	--	--	--
Saudi Arabia	--	--	--	--	--	--	--	--	--	--
United Arab Emirates	--	--	--	--	--	--	--	--	--	--
Venezuela	--	--	--	--	--	--	--	--	--	--
Non-OPEC	--	--	--	99	--	--	539	--	--	539
Canada	--	--	--	99	--	--	539	--	--	539
Ecuador	--	--	--	--	--	--	--	--	--	--
Qatar	--	--	--	--	--	--	--	--	--	--
Other	--	--	--	0	--	--	0	--	--	0
Total	--	--	--	99	--	--	539	--	--	539
PAD District 5										
OPEC	--	--	--	--	--	--	--	--	--	--
Algeria	--	--	--	--	--	--	--	--	--	--
Angola	--	--	--	--	--	--	--	--	--	--
Congo (Brazzaville)	--	--	--	--	--	--	--	--	--	--
Iran	--	--	--	--	--	--	--	--	--	--
Iraq	--	--	--	--	--	--	--	--	--	--
Kuwait	--	--	--	--	--	--	--	--	--	--
Libya	--	--	--	--	--	--	--	--	--	--
Nigeria	--	--	--	--	--	--	--	--	--	--
Saudi Arabia	--	--	--	--	--	--	--	--	--	--
United Arab Emirates	--	--	--	--	--	--	--	--	--	--
Venezuela	--	--	--	--	--	--	--	--	--	--
Non-OPEC	--	--	679	112	2,132	--	1,429	--	4	1,433
Argentina	--	--	--	--	--	--	--	--	--	--
Aruba	--	--	--	--	--	--	--	--	--	--
Australia	--	--	--	--	--	--	--	--	--	--
Brazil	--	679	--	--	--	--	--	--	--	--
Brunei	--	--	--	--	--	--	--	--	--	--
Canada	--	--	--	22	--	--	1,381	--	4	1,385
China	--	--	--	--	--	--	--	--	--	--
Colombia	--	--	--	--	--	--	--	--	--	--
Ecuador	--	--	--	--	--	--	--	--	--	--
Finland	--	--	--	--	--	--	--	--	--	--
Germany	--	--	--	--	--	--	--	--	--	--
Indonesia	--	--	--	--	--	--	--	--	--	--
Japan	--	--	--	--	--	--	--	--	--	--
Korea, South	--	--	--	90	--	--	48	--	--	48
Malaysia	--	--	--	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	--	--	--	--
Netherlands	--	--	--	--	--	--	--	--	--	--
Oman	--	--	--	--	--	--	--	--	--	--
Papua New Guinea	--	--	--	--	--	--	--	--	--	--
Peru	--	--	--	--	--	--	--	--	--	--
Qatar	--	--	--	--	--	--	--	--	--	--
Singapore	--	--	--	--	--	--	--	--	--	--
Sweden	--	--	--	--	--	--	--	--	--	--
Taiwan	--	--	--	--	--	--	--	--	--	--
United Kingdom	--	--	--	--	--	--	--	--	--	--
Vietnam	--	--	--	--	--	--	--	--	--	--
Virgin Islands, U.S.	--	--	--	--	--	--	--	--	--	--
Other	--	--	0	0	2,132	--	0	--	0	0
Total	--	--	679	112	2,132	--	1,429	--	4	1,433
Persian Gulf ³	--	--	--	--	--	--	--	--	--	--

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2020
 (Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			Total
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	
PAD District 4									
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	62	-	-	-	-	-
Canada	-	-	-	62	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	-	-	-
Total	-	-	-	62	-	-	-	-	-
PAD District 5									
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	20	4	-	13,439	-	-	460	1,469	1,929
Argentina	-	-	-	-	-	-	223	-	223
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	762	-	-	-	-	-
Canada	20	4	-	26	-	-	237	334	571
China	-	-	-	312	-	-	-	1	1
Colombia	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	763	763
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	2,523	-	-	-	-	-
Korea, South	-	-	-	7,223	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	1,210	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	0	0	-	1,383	-	-	0	371	371
Total	20	4	-	13,439	-	-	460	1,469	1,929
Persian Gulf ³	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2020
 (Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
PAD District 4												
OPEC	-	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	155	-	4	2,487	41,507	322	21	343
Canada	-	-	-	-	155	-	4	2,487	41,507	322	21	343
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	0	-	0	0	0	0	0	0
Total	-	-	-	-	155	-	4	2,487	41,507	322	21	343
PAD District 5												
OPEC	-	-	-	-	-	-	-	190	52,359	431	2	433
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	1,858	15	-	15
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	20,750	171	-	171
Kuwait	-	-	-	-	-	-	-	-	3,413	28	-	28
Libya	-	-	-	-	-	-	-	-	3,115	26	-	26
Nigeria	-	-	-	-	-	-	-	-	934	8	-	8
Saudi Arabia	-	-	-	-	-	-	-	-	22,099	183	-	183
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	85	-	157	119	284	122	-	33,473	112,624	654	277	931
Argentina	-	-	-	-	-	-	-	310	1,302	8	3	11
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	738	4,535	31	6	37
Brunei	-	-	-	-	-	-	-	762	3,739	25	6	31
Canada	-	-	-	119	284	30	-	8,129	38,496	251	67	318
China	-	-	109	-	-	-	-	422	422	-	3	3
Colombia	-	-	-	-	-	-	-	314	9,101	73	3	75
Ecuador	-	-	-	-	-	-	-	763	20,150	160	6	167
Finland	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	22	-	-	-	-	3,292	3,292	-	27	27
Korea, South	-	-	-	-	-	46	-	9,588	9,588	-	79	79
Malaysia	-	-	-	-	-	-	-	32	32	-	0	0
Mexico	-	-	-	-	-	-	-	-	4,382	36	-	36
Netherlands	-	-	-	-	-	-	-	639	639	-	5	5
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	172	343	1	1	3
Qatar	-	-	-	-	-	46	-	46	46	-	0	0
Singapore	-	-	-	-	-	-	-	3,484	3,484	-	29	29
Sweden	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	85	-	26	-	-	-	-	423	423	-	3	3
United Kingdom	-	-	-	-	-	-	-	283	912	5	2	8
Vietnam	-	-	-	-	-	-	-	-	614	5	-	5
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Other	0	-	0	0	0	0	-	4,076	11,124	59	37	94
Total	85	-	157	119	284	122	-	33,663	164,983	1,085	278	1,363
Persian Gulf³	-	-	-	-	-	46	-	46	46,308	382	0	383

-- = Not Applicable.

- = No Data Reported.

1 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

3 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 49. Exports of Crude Oil and Petroleum Products by PAD District, April 2020
 (Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil ¹	1	3,901	86,601	-	1,813	92,315	3,077
Hydrocarbon Gas Liquids	8,474	11,056	41,115	57	1,313	62,015	2,067
Natural Gas Liquids	8,474	11,056	41,115	57	1,313	62,015	2,067
Ethane	1,448	2,588	2,651	-	0	6,687	223
Propane	5,161	243	30,154	0	847	36,404	1,213
Normal Butane	1,732	255	8,113	28	464	10,592	353
Isobutane	1	0	148	-	0	150	5
Natural Gasoline	132	7,969	48	29	3	8,182	273
Refinery Olefins	-	-	-	-	-	-	-
Ethylene	-	-	-	-	-	-	-
Propylene	-	-	-	-	-	-	-
Normal Butylene	-	-	-	-	-	-	-
Isobutylene	-	-	-	-	-	-	-
Other Liquids	406	2,495	11,853	38	2,309	17,102	570
Hydrogen/Oxygenates/Renewables/							
Other Hydrocarbons	204	449	2,044	38	247	2,983	99
Hydrogen	-	-	-	-	-	-	-
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE)	--	--	--	--	--	--	--
Other Oxygenates	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) ...	204	449	2,044	38	247	2,983	99
Fuel Ethanol	170	214	1,905	8	161	2,457	82
Biodiesel	34	236	139	30	87	526	18
Other Renewable Diesel	-	-	-	-	-	-	-
Other Renewable Fuels	-	-	-	-	-	-	-
Other Hydrocarbons	-	-	-	-	-	-	-
Unfinished Oils	29	1,929	8,383	-	1,257	11,598	387
Naphthas and Lighter	4	1,926	8,256	-	1,241	11,426	381
Kerosene and Light Gas Oils	25	3	128	-	16	172	6
Heavy Gas Oils	-	-	-	-	-	-	-
Residuum	-	-	-	-	-	-	-
Motor Gasoline Blend.Comp. (MGBC)	172	116	1,426	0	805	2,520	84
Reformulated	0	-	49	-	0	49	2
Conventional	172	116	1,377	0	805	2,471	82
Aviation Gasoline Blend. Comp.	-	-	-	-	-	-	-
Finished Petroleum Products	1,441	667	67,820	12	12,174	82,115	2,737
Finished Motor Gasoline	145	197	18,746	-	3,777	22,865	762
Reformulated	-	-	-	-	-	-	-
Conventional	145	197	18,746	-	3,777	22,865	762
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	1	5	1,540	-	441	1,988	66
Kerosene	0	1	45	-	29	75	2
Distillate Fuel Oil	586	76	28,552	0	3,663	32,878	1,096
15 ppm sulfur and under	261	1	22,205	0	3,405	25,871	862
Greater than 15 ppm to 500 ppm sulfur	4	17	2,538	-	53	2,613	87
Greater than 500 ppm sulfur	322	58	3,809	-	206	4,394	146
Residual Fuel Oil	91	180	3,366	8	1,068	4,711	157
Naphtha for Petro. Feed. Use	-	-	-	-	-	-	-
Other Oils for Petro. Feed. Use	-	-	-	-	-	-	-
Special Naphthas	-	-	-	-	-	-	-
Lubricants	207	89	1,368	4	248	1,916	64
Waxes	62	21	18	0	5	106	4
Petroleum Coke	318	80	13,911	-	2,906	17,216	574
Asphalt and Road Oil	16	18	253	0	38	325	11
Miscellaneous Products	15	1	19	-	0	35	1
Total	10,322	18,118	207,388	108	17,610	253,546	8,452

-- = Not Applicable.

- = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January-April 2020
 (Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil ¹	4,170	20,413	382,005	214	4,077	410,878	3,396
Hydrocarbon Gas Liquids	27,834	44,671	181,339	523	4,863	259,230	2,142
Natural Gas Liquids	27,834	44,671	181,339	523	4,863	259,230	2,142
Ethane	6,557	11,778	15,367	—	0	33,702	279
Propane	15,417	689	133,149	1	3,421	151,553	1,253
Normal Butane	5,299	567	33,457	235	1,458	40,681	336
Isobutane	4	4	451	—	1	456	4
Natural Gasoline	600	31,643	284	288	23	32,838	271
Refinery Olefins	—	—	—	—	—	—	—
Ethylene	—	—	—	—	—	—	—
Propylene	—	—	—	—	—	—	—
Normal Butylene	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—
Other Liquids	1,517	10,484	49,294	43	3,758	65,096	538
Hydrogen/Oxygenates/Renewables/							
Other Hydrocarbons	794	2,326	10,701	41	1,007	14,869	123
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) ...	794	2,326	10,701	41	1,007	14,869	123
Fuel Ethanol	728	1,890	10,555	8	839	14,021	116
Biodiesel	66	435	146	33	168	849	7
Other Renewable Diesel	—	—	—	—	—	—	—
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils	204	7,765	31,344	1	1,394	40,708	336
Naphthas and Lighter	132	7,748	30,695	0	1,325	39,901	330
Kerosene and Light Gas Oils	72	17	649	1	69	808	7
Heavy Gas Oils	—	—	—	—	—	—	—
Residuum	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)	519	393	7,249	0	1,357	9,518	79
Reformulated	5	—	401	—	5	411	3
Conventional	514	393	6,848	0	1,352	9,108	75
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	10,940	4,065	329,180	60	46,346	390,590	3,228
Finished Motor Gasoline	855	698	87,381	1	9,037	97,973	810
Reformulated	—	—	—	—	—	—	—
Conventional	855	698	87,381	1	9,037	97,973	810
Finished Aviation Gasoline	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel	1,656	701	17,063	—	3,010	22,430	185
Kerosene	152	5	118	—	116	391	3
Distillate Fuel Oil	2,877	379	138,490	0	15,537	157,282	1,300
15 ppm sulfur and under	1,710	1	112,565	0	12,593	126,870	1,049
Greater than 15 ppm to 500 ppm sulfur	793	88	12,601	—	1,151	14,634	121
Greater than 500 ppm sulfur	374	290	13,323	—	1,793	15,779	130
Residual Fuel Oil	1,067	554	16,435	16	3,281	21,353	176
Naphtha for Petro. Feed. Use	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use	—	—	—	—	—	—	—
Special Naphthas	—	—	—	—	—	—	—
Lubricants	740	673	8,537	38	1,441	11,429	94
Waxes	243	126	140	1	18	528	4
Petroleum Coke	3,081	684	59,201	—	13,759	76,725	634
Asphalt and Road Oil	213	228	1,686	3	145	2,276	19
Miscellaneous Products	56	16	129	0	1	202	2
Total	44,460	79,632	941,819	840	59,043	1,125,794	9,304

-- = Not Applicable.

- = No Data Reported.

1 On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, April 2020
 (Thousand Barrels)

Destination	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina	-	-	-	232	-	-	-	-	-	-
Australia		572	-	2	-	-	-	-	-	-
Bahamas	1,919	23	-	-	-	15	15	-	300	300
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	25	-	-	0	-	-	-	-	-	-
Belize	-	-	-	-	-	27	27	-	-	-
Brazil	-	3,989	-	350	-	2,356	2,356	-	283	283
Canada	9,118	11,321	-	1,939	-	248	248	-	158	158
Cayman Islands	-	-	-	-	-	-	-	-	34	34
Chile	2,212	811	-	0	-	300	300	-	-	-
China	3,406	3,329	-	2	-	-	-	-	-	-
Colombia	549	60	-	633	-	158	158	-	-	-
Costa Rica	-	0	-	3	-	622	622	-	-	-
Denmark	2,076	-	-	-	-	-	-	-	-	-
Dominican Republic	-	2,071	-	-	-	-	-	-	-	-
Ecuador	-	952	-	8	-	600	600	-	599	599
Egypt	-	-	-	-	-	-	-	-	-	-
El Salvador	-	237	-	0	-	80	80	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	1,397	165	-	18	-	0	0	-	-	-
Germany	3,357	0	-	10	-	1	1	-	-	-
Ghana	-	-	-	-	-	-	-	-	-	-
Gibraltar	-	240	-	-	-	-	-	-	-	-
Greece	-	-	-	-	-	-	-	-	-	-
Guatemala	-	412	-	0	-	420	420	-	-	-
Honduras	-	415	-	-	-	209	209	-	-	-
Hong Kong	-	-	-	300	-	-	-	-	-	-
India	7,410	3,745	-	-	-	-	-	-	-	-
Indonesia	247	2,688	-	0	-	1,348	1,348	-	-	-
Ireland	1,204	-	-	-	-	-	-	-	-	-
Israel	-	-	-	0	-	9	9	-	-	-
Italy	3,354	-	-	-	-	-	-	-	-	-
Jamaica	-	133	-	-	-	52	52	-	0	0
Japan	896	12,338	-	3,954	-	1	1	0	-	0
Korea, South	4,032	4,463	-	2,219	-	1	1	0	0	0
Lebanon	-	-	-	-	-	-	-	-	-	-
Mexico	-	4,720	-	610	-	10,071	10,071	49	349	397
Montenegro	-	-	-	-	-	-	-	-	-	-
Morocco	-	379	-	-	-	-	-	-	-	-
Mozambique	-	-	-	-	-	-	-	-	-	-
Netherlands	8,349	1,149	-	32	-	-	-	-	-	-
New Zealand	-	0	-	0	-	-	-	-	-	-
Nicaragua	340	0	-	-	-	-	-	-	-	-
Nigeria	-	609	-	0	-	632	632	-	-	-
Norway	-	1,456	-	-	-	-	-	-	-	-
Pakistan	-	-	-	-	-	-	-	-	-	-
Panama	1,701	229	-	0	-	1,897	1,897	-	0	0
Peru	698	62	-	4	-	315	315	-	-	-
Philippines	-	-	-	0	-	290	290	-	-	-
Portugal	-	587	-	-	-	-	-	-	-	-
Puerto Rico	-	2	-	1	-	271	271	-	-	-
Romania	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	2	-	2	2	-	-	-
Serbia (Excludes Kosovo)	-	-	-	-	-	-	-	-	-	-
Singapore	6,656	0	-	745	-	1,850	1,850	-	282	282
South Africa	3,044	539	-	-	-	-	-	-	-	-
Spain	3,244	250	-	-	-	-	-	-	-	-
Switzerland	-	1,163	-	-	-	-	-	-	-	-
Taiwan	7,850	548	-	0	-	0	0	-	-	-
Thailand	1,591	-	-	0	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	0	-	300	300	-	-	-
Turkey	-	154	-	-	-	-	-	-	-	-
United Arab Emirates	528	-	-	528	-	2	2	-	-	-
United Kingdom	6,782	732	-	0	-	59	59	-	262	262
Venezuela	-	-	-	0	-	0	0	0	-	0
Other	10,330	1,472	-	6	-	729	729	-	204	205
Total	92,315	62,015	-	11,598	-	22,865	22,865	49	2,471	2,520

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, April 2020
 (Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels			Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen- ates	Fuel Ethanol	Biomass- Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	
Argentina	--	--	-	-	-	-	434	-	-	434
Australia	--	--	66	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	1,196	-	496	-
Bahrain	--	--	0	-	-	-	-	-	-	-
Belgium	--	--	0	-	-	-	0	-	-	0
Belize	--	--	-	-	-	-	0	41	-	41
Brazil	--	--	566	-	-	-	3,125	-	591	-
Canada	--	--	258	489	-	-	1	74	91	-
Cayman Islands	--	--	-	-	-	-	38	-	-	38
Chile	--	--	0	-	-	-	1,189	-	-	1,189
China	--	--	0	2	-	-	323	-	-	323
Colombia	--	--	52	-	-	-	301	-	-	301
Costa Rica	--	--	0	-	-	-	361	-	-	361
Denmark	--	--	-	-	-	-	166	-	-	166
Dominican Republic	--	--	0	-	-	-	194	-	-	194
Ecuador	--	--	-	-	-	-	390	-	286	-
Egypt	--	--	-	-	-	-	-	-	-	-
El Salvador	--	--	-	-	-	-	27	-	-	27
Finland	--	--	93	-	-	-	-	-	-	-
France	--	--	-	-	-	-	260	-	-	260
Germany	--	--	-	0	-	-	0	-	-	0
Ghana	--	--	-	-	-	-	-	-	-	-
Gibraltar	--	--	-	-	-	-	36	637	-	673
Greece	--	--	-	-	-	-	-	-	-	-
Guatemala	--	--	0	-	-	-	383	-	-	383
Honduras	--	--	-	-	-	-	420	-	-	420
Hong Kong	--	--	-	-	-	-	-	-	-	-
India	--	--	377	-	-	-	1	-	-	1
Indonesia	--	--	0	-	-	-	280	-	-	280
Ireland	--	--	-	-	-	-	-	-	-	-
Israel	--	--	2	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-
Jamaica	--	--	63	-	-	-	29	-	-	29
Japan	--	--	1	-	-	-	-	-	-	-
Korea, South	--	--	299	1	-	-	2	-	-	2
Lebanon	--	--	-	-	-	-	-	-	-	-
Mexico	--	--	329	0	-	-	7,276	15	29	-
Montenegro	--	--	-	-	-	-	-	-	-	-
Morocco	--	--	-	-	-	-	-	-	-	-
Mozambique	--	--	-	-	-	-	-	-	-	-
Netherlands	--	--	-	34	-	-	295	616	642	-
New Zealand	--	--	-	-	-	-	-	-	-	-
Nicaragua	--	--	-	-	-	-	0	10	-	10
Nigeria	--	--	-	-	-	-	-	-	-	-
Norway	--	--	48	-	-	-	150	-	-	150
Pakistan	--	--	-	-	-	-	-	-	-	-
Panama	--	--	-	-	-	-	2,117	331	448	-
Peru	--	--	0	-	-	-	709	-	-	709
Philippines	--	--	71	-	-	-	-	-	-	-
Portugal	--	--	0	-	-	-	-	-	-	-
Puerto Rico	--	--	5	-	-	-	-	-	-	-
Romania	--	--	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	48	-	-	-	0	-	-	0
Serbia (Excludes Kosovo)	--	--	-	-	-	-	-	-	-	-
Singapore	--	--	0	-	-	-	2,460	589	-	3,049
South Africa	--	--	0	-	-	-	-	-	-	-
Spain	--	--	-	-	-	-	306	-	317	-
Switzerland	--	--	-	-	-	-	-	-	-	-
Taiwan	--	--	5	-	-	-	-	-	-	-
Thailand	--	--	0	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	0	-	-	-	68	550	275	-
Turkey	--	--	82	-	-	-	-	-	-	-
United Arab Emirates	--	--	0	-	-	-	-	-	-	-
United Kingdom	--	--	0	-	-	-	825	-	-	825
Venezuela	--	--	-	-	-	-	-	-	-	-
Other	--	--	92	-	-	-	2,545	351	582	-
Total	--	--	2,457	526	-	-	25,871	2,613	4,394	-
										32,878

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, April 2020
 (Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	0	-	-
Bahamas	0	-	-	139	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-
Belize	-	-	-	5	-	-	-	-
Brazil	-	-	-	-	-	-	-	-
Canada	1	-	-	92	-	847	-	-
Cayman Islands	-	-	-	29	-	-	-	-
Chile	-	-	-	-	-	287	-	-
China	-	-	-	0	-	0	-	-
Colombia	-	-	-	-	-	0	-	-
Costa Rica	0	-	-	0	-	0	-	-
Denmark	-	-	-	-	-	-	-	-
Dominican Republic	0	-	-	-	-	277	-	-
Ecuador	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-
El Salvador	0	-	-	-	-	-	-	-
Finland	-	-	-	300	-	-	-	-
France	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	0	-	-
Ghana	-	-	-	-	-	-	-	-
Gibraltar	-	-	-	-	-	-	-	-
Greece	-	-	-	-	-	-	-	-
Guatemala	0	-	-	-	-	-	-	-
Honduras	-	-	-	29	-	-	-	-
Hong Kong	-	-	-	-	-	-	-	-
India	0	-	-	-	-	0	-	-
Indonesia	-	-	-	-	-	-	-	-
Ireland	-	-	-	-	-	-	-	-
Israel	-	-	-	333	-	-	-	-
Italy	-	-	-	-	-	-	-	-
Jamaica	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-
Korea, South	-	-	-	0	-	-	-	-
Lebanon	-	-	-	-	-	-	-	-
Mexico	73	-	-	528	-	818	-	-
Montenegro	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-	-
Mozambique	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-
New Zealand	0	-	-	-	-	-	-	-
Nicaragua	-	-	-	50	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-
Pakistan	-	-	-	-	-	-	-	-
Panama	-	-	-	-	-	-	535	-
Peru	-	-	-	-	-	-	-	-
Philippines	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	-
Romania	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-
Serbia (Excludes Kosovo)	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	1,574	-
South Africa	-	-	-	-	-	0	-	-
Spain	-	-	-	-	-	-	370	-
Switzerland	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	3	-
Thailand	-	-	-	-	-	-	-	-
Trinidad and Tobago	0	-	-	-	-	-	-	-
Turkey	-	-	-	-	-	-	-	-
United Arab Emirates	0	-	-	-	-	-	-	-
United Kingdom	-	-	-	0	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-
Other	1	-	-	483	-	-	-	-
Total	75	-	-	1,988	-	4,711	-	-

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, April 2020
 (Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina	0	—	—	25	—	690	690	—	23	23
Australia	0	206	0	6	—	853	853	—	28	28
Bahamas	—	—	1	3	—	2,173	4,091	64	72	136
Bahrain	0	—	—	1	—	1	1	—	0	0
Belgium	0	2	—	228	0	231	256	1	8	9
Belize	—	—	—	1	—	74	74	—	2	2
Brazil	0	949	—	94	1	12,305	12,305	—	410	410
Canada	77	969	38	128	6	16,738	25,856	304	558	862
Cayman Islands	—	—	4	1	—	105	105	—	4	4
Chile	0	0	—	43	0	2,631	4,843	74	88	161
China	1	3,995	1	14	1	7,670	11,076	114	256	369
Colombia	0	—	0	62	0	1,265	1,814	18	42	60
Costa Rica	0	—	75	15	—	1,076	1,076	—	36	36
Denmark	—	—	—	0	—	166	2,242	69	6	75
Dominican Republic	0	374	—	6	—	2,923	2,923	—	97	97
Ecuador	0	272	0	79	—	3,187	3,187	—	106	106
Egypt	—	213	—	1	—	214	214	—	7	7
El Salvador	—	—	—	16	—	360	360	—	12	12
Finland	—	—	—	0	—	393	393	—	13	13
France	0	8	—	2	—	454	1,851	47	15	62
Germany	5	302	2	2	0	323	3,680	112	11	123
Ghana	—	—	—	0	—	0	0	—	0	0
Gibraltar	—	—	—	—	—	913	913	—	30	30
Greece	—	—	—	0	—	0	0	—	0	0
Guatemala	0	264	—	16	—	1,497	1,497	—	50	50
Honduras	0	851	—	5	0	1,929	1,929	—	64	64
Hong Kong	0	—	—	1	0	302	302	—	10	10
India	1	2,087	—	123	0	6,335	13,745	247	211	458
Indonesia	0	0	1	1	0	4,319	4,566	8	144	152
Ireland	—	—	—	0	0	0	1,204	40	0	40
Israel	0	—	—	2	—	346	346	—	12	12
Italy	0	659	0	0	—	660	4,014	112	22	134
Jamaica	—	—	—	2	—	279	279	—	9	9
Japan	1	1,856	1	6	4	18,161	19,058	30	605	635
Korea, South	0	232	2	3	0	7,223	11,255	134	241	375
Lebanon	—	—	—	—	—	—	—	—	—	—
Mexico	10	549	196	509	19	26,150	26,150	—	872	872
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	309	—	0	—	688	688	—	23	23
Mozambique	—	84	—	—	—	84	84	—	3	3
Netherlands	5	231	1	33	0	3,038	11,388	278	101	380
New Zealand	—	99	—	1	—	100	100	—	3	3
Nicaragua	—	—	—	4	—	64	404	11	2	13
Nigeria	—	—	—	105	—	1,346	1,346	—	45	45
Norway	0	42	—	0	—	1,696	1,696	—	57	57
Pakistan	—	574	—	15	0	589	589	—	20	20
Panama	0	—	—	22	0	5,579	7,280	57	186	243
Peru	0	—	—	24	0	1,115	1,814	23	37	60
Philippines	0	—	—	3	—	364	364	—	12	12
Portugal	—	—	—	0	—	587	587	—	20	20
Puerto Rico	—	—	—	5	—	284	284	—	9	9
Romania	—	55	—	0	—	55	55	—	2	2
Saudi Arabia	0	3	—	4	—	59	59	—	2	2
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore	0	—	1	3	0	7,505	14,161	222	250	472
South Africa	0	55	0	36	—	631	3,675	101	21	122
Spain	1	175	—	0	0	1,419	4,663	108	47	155
Switzerland	—	452	—	0	—	1,615	1,615	—	54	54
Taiwan	0	—	0	6	0	562	8,413	262	19	280
Thailand	0	0	—	4	1	5	1,596	53	0	53
Trinidad and Tobago	—	—	—	4	—	1,197	1,197	—	40	40
Turkey	0	724	0	26	—	986	986	—	33	33
United Arab Emirates	—	0	0	187	—	718	1,246	18	24	42
United Kingdom	0	50	—	1	0	1,929	8,711	226	64	290
Venezuela	—	—	—	6	—	6	6	—	0	0
Other	5	575	2	32	3	7,064	17,391	344	236	583
Total	106	17,216	325	1,916	35	161,231	253,546	3,077	5,374	8,452

-- = Not Applicable.

- = No Data Reported.

1 On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-April 2020
 (Thousand Barrels)

Destination	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina	—	0	—	1,144	—	794	794	—	—	—
Australia	6,268	1,158	—	5	—	0	0	1	1	1
Bahamas	1,919	129	—	0	—	23	23	0	365	366
Bahrain	—	—	—	0	—	—	—	0	—	0
Belgium	1,677	1,661	—	560	—	1	1	—	—	—
Belize	—	—	—	—	—	62	62	—	—	—
Brazil	4,519	7,648	—	4,968	—	9,584	9,584	—	690	690
Canada	51,801	46,722	—	7,862	—	3,598	3,598	—	3,457	3,457
Cayman Islands	—	0	—	0	—	0	0	1	44	45
Chile	7,167	2,993	—	35	—	2,512	2,512	—	—	—
China	6,750	8,769	—	945	—	1	1	—	—	—
Colombia	3,333	104	—	5,183	—	2,275	2,275	—	317	317
Costa Rica	—	365	—	10	—	2,750	2,750	—	—	—
Denmark	7,676	—	—	60	—	—	—	—	0	0
Dominican Republic	1,504	4,662	—	1	—	1,253	1,253	0	96	96
Ecuador	—	4,012	—	31	—	2,096	2,096	0	1,202	1,202
Egypt	—	1,810	—	—	—	—	—	—	—	—
El Salvador	—	948	—	3	—	1,405	1,405	—	0	0
Finland	—	—	—	1	—	0	0	0	—	0
France	10,702	4,318	—	760	—	0	0	—	—	—
Germany	9,531	0	—	31	—	1	1	—	0	0
Ghana	—	374	—	—	—	—	—	—	—	—
Gibraltar	—	1,303	—	—	—	—	—	—	—	—
Greece	2,513	—	—	0	—	0	0	—	—	—
Guatemala	—	1,287	—	35	—	4,071	4,071	0	0	0
Honduras	—	1,841	—	2	—	1,302	1,302	1	0	1
Hong Kong	—	1	—	300	—	—	—	—	—	—
India	29,480	12,228	—	9	—	—	—	0	—	0
Indonesia	3,993	5,277	—	1	—	1,348	1,348	—	—	—
Ireland	5,421	—	—	0	—	—	—	—	—	—
Israel	2,343	2	—	0	—	9	9	—	—	—
Italy	17,273	365	—	33	—	0	0	—	—	—
Jamaica	—	253	—	1	—	785	785	—	2	2
Japan	2,595	59,414	—	7,006	—	2	2	3	—	3
Korea, South	39,612	16,113	—	4,317	—	3	3	1	53	53
Lebanon	—	—	—	—	—	—	—	—	—	—
Mexico	—	21,898	—	2,729	—	50,857	50,857	399	1,332	1,732
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	2,556	—	—	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—	—	—
Netherlands	41,149	7,647	—	804	—	274	274	—	289	289
New Zealand	735	1	—	0	—	—	—	0	—	0
Nicaragua	2,109	0	—	—	—	—	—	—	—	—
Nigeria	—	1,652	—	0	—	632	632	—	—	—
Norway	1,301	3,938	—	92	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—	—	—
Panama	2,173	529	—	3	—	4,931	4,931	—	0	0
Peru	3,973	863	—	20	—	2,445	2,445	—	320	320
Philippines	—	—	—	0	—	290	290	—	—	—
Portugal	1,179	2,642	—	—	—	1	1	—	—	—
Puerto Rico	—	12	—	6	—	280	280	—	0	0
Romania	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	0	—	6	—	4	4	—	—	—
Serbia (Excludes Kosovo)	—	—	—	—	—	—	—	—	—	—
Singapore	20,406	2	—	1,484	—	2,242	2,242	—	473	473
South Africa	5,179	1,846	—	0	—	0	0	0	—	0
Spain	11,013	5,825	—	0	—	—	—	—	—	—
Switzerland	—	1,163	—	0	—	—	—	0	0	0
Taiwan	29,276	3,944	—	1,712	—	1	1	—	—	—
Thailand	16,189	0	—	3	—	—	—	0	0	0
Trinidad and Tobago	—	—	—	0	—	1,109	1,109	—	—	—
Turkey	—	2,519	—	0	—	1	1	—	—	—
United Arab Emirates	3,222	0	—	528	—	24	24	—	0	0
United Kingdom	34,848	8,893	—	1	—	61	61	—	262	262
Venezuela	—	1	—	1	—	5	5	3	—	3
Other	22,049	9,542	—	16	—	941	941	2	206	206
Total	410,878	259,230	—	40,708	—	97,973	97,973	411	9,108	9,518

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-April 2020
 (Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen- ates	Fuel Ethanol	Biomass- Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina	--	--	0	-	-	-	1,995	-	-	-	1,995
Australia	--	--	67	-	-	-	0	-	-	-	0
Bahamas	--	--	0	-	-	-	2,105	326	1,403	-	3,834
Bahrain	--	--	0	-	-	-	-	-	-	-	-
Belgium	--	--	2	0	-	-	691	155	-	-	846
Belize	--	--	-	-	-	-	0	170	-	-	170
Brazil	--	--	4,174	-	-	-	17,036	2,424	1,283	-	20,743
Canada	--	--	2,206	771	-	-	2	1,326	339	-	1,666
Cayman Islands	--	--	0	-	-	-	258	-	-	-	258
Chile	--	--	5	-	-	-	12,572	-	293	-	12,865
China	--	--	1	2	-	-	326	-	-	-	326
Colombia	--	--	573	-	-	-	5,439	-	-	-	5,439
Costa Rica	--	--	1	-	-	-	2,499	-	-	-	2,499
Denmark	--	--	-	0	-	-	166	-	-	-	166
Dominican Republic	--	--	2	-	-	-	1,089	-	846	-	1,935
Ecuador	--	--	0	-	-	-	3,357	-	2,418	-	5,775
Egypt	--	--	1	-	-	-	0	-	-	-	0
El Salvador	--	--	-	-	-	-	481	696	164	-	1,341
Finland	--	--	93	-	-	-	-	-	-	-	-
France	--	--	36	-	-	-	2,664	-	0	-	2,665
Germany	--	--	0	1	-	-	0	-	-	-	0
Ghana	--	--	-	-	-	-	-	-	-	-	-
Gibraltar	--	--	-	-	-	-	1,862	776	1,876	-	4,514
Greece	--	--	0	-	-	-	-	-	-	-	-
Guatemala	--	--	0	-	-	-	1,924	2,520	609	-	5,053
Honduras	--	--	-	-	-	-	1,268	647	417	-	2,332
Hong Kong	--	--	0	-	-	-	0	-	-	-	0
India	--	--	2,295	-	-	-	3	-	-	-	3
Indonesia	--	--	0	-	-	-	280	-	-	-	280
Ireland	--	--	0	-	-	-	-	-	-	-	-
Israel	--	--	8	-	-	-	2	-	-	-	2
Italy	--	--	1	-	-	-	64	-	-	-	64
Jamaica	--	--	183	-	-	-	805	-	210	-	1,015
Japan	--	--	84	-	-	-	0	1	-	-	1
Korea, South	--	--	1,131	3	-	-	10	-	-	-	10
Lebanon	--	--	-	-	-	-	150	-	-	-	150
Mexico	--	--	540	5	-	-	33,787	115	825	-	34,727
Montenegro	--	--	-	-	-	-	-	-	-	-	-
Morocco	--	--	-	-	-	-	1,691	-	-	-	1,691
Mozambique	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	661	64	-	-	3,678	748	1,046	-	5,472
New Zealand	--	--	0	-	-	-	0	-	-	-	0
Nicaragua	--	--	-	-	-	-	76	175	-	-	251
Nigeria	--	--	294	-	-	-	-	-	-	-	-
Norway	--	--	103	-	-	-	366	-	-	-	366
Pakistan	--	--	-	-	-	-	-	-	-	-	-
Panama	--	--	0	-	-	-	8,371	1,911	1,127	-	11,409
Peru	--	--	374	2	-	-	7,136	-	-	-	7,136
Philippines	--	--	496	-	-	-	-	-	-	-	-
Portugal	--	--	0	-	-	-	-	-	-	-	-
Puerto Rico	--	--	7	0	-	-	1	1	-	-	2
Romania	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	129	-	-	-	1	-	-	-	1
Serbia (Excludes Kosovo) ..	--	--	-	-	-	-	-	-	-	-	-
Singapore	--	--	2	-	-	-	5,866	589	-	-	6,455
South Africa	--	--	0	-	-	-	1	-	-	-	1
Spain	--	--	0	-	-	-	904	-	317	-	1,221
Switzerland	--	--	18	-	-	-	0	-	-	-	0
Taiwan	--	--	7	-	-	-	-	-	-	-	-
Thailand	--	--	0	-	-	-	0	-	-	-	0
Trinidad and Tobago	--	--	0	-	-	-	421	1,381	500	-	2,302
Turkey	--	--	110	-	-	-	0	-	-	-	0
United Arab Emirates	--	--	1	-	-	-	0	-	-	-	0
United Kingdom	--	--	282	-	-	-	3,384	-	550	-	3,934
Venezuela	--	--	134	1	-	-	5	-	-	-	5
Other	--	--	-	-	-	-	4,134	673	1,556	-	6,362
Total	--	--	14,021	849	-	-	126,870	14,634	15,779	-	157,282

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-April 2020
 (Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina	-	-	-	62	-	-	-	-
Australia	0	-	-	-	-	0	-	-
Bahamas	0	-	-	789	-	838	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-
Belize	-	-	-	26	-	-	-	-
Brazil	0	-	-	638	-	922	-	-
Canada	155	-	-	4,386	-	3,726	-	-
Cayman Islands	-	-	-	65	-	-	-	-
Chile	0	-	-	283	-	287	-	-
China	-	-	-	1	-	2	-	-
Colombia	-	-	-	190	-	0	-	-
Costa Rica	0	-	-	605	-	474	-	-
Denmark	-	-	-	-	-	-	-	-
Dominican Republic	1	-	-	829	-	567	-	-
Ecuador	0	-	-	-	-	214	-	-
Egypt	-	-	-	-	-	-	-	-
El Salvador	0	-	-	94	-	0	-	-
Finland	-	-	-	300	-	0	-	-
France	-	-	-	-	-	0	-	-
Germany	-	-	-	-	-	0	-	-
Ghana	-	-	-	-	-	-	-	-
Gibraltar	-	-	-	-	-	-	-	-
Greece	-	-	-	-	-	132	-	-
Guatemala	0	-	-	240	-	0	-	-
Honduras	0	-	-	150	-	341	-	-
Hong Kong	-	-	-	0	-	-	-	-
India	0	-	-	-	-	0	-	-
Indonesia	-	-	-	-	-	-	-	-
Ireland	0	-	-	-	-	-	-	-
Israel	0	-	-	333	-	0	-	-
Italy	-	-	-	582	-	-	-	-
Jamaica	0	-	-	260	-	611	-	-
Japan	0	-	-	-	-	-	-	-
Korea, South	-	-	-	0	-	0	-	-
Lebanon	-	-	-	-	-	763	-	-
Mexico	205	-	-	6,340	-	3,367	-	-
Montenegro	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	433	-	-
Mozambique	-	-	-	-	-	-	-	-
Netherlands	-	-	-	632	-	970	-	-
New Zealand	0	-	-	-	-	0	-	-
Nicaragua	0	-	-	206	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-
Pakistan	-	-	-	-	-	-	-	-
Panama	0	-	-	1,224	-	2,403	-	-
Peru	0	-	-	659	-	-	-	-
Philippines	-	-	-	0	-	-	-	-
Portugal	-	-	-	-	-	-	-	-
Puerto Rico	1	-	-	0	-	-	-	-
Romania	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	580	-	-
Serbia (Excludes Kosovo)	-	-	-	-	-	-	-	-
Singapore	0	-	-	111	-	3,147	-	-
South Africa	-	-	-	-	-	0	-	-
Spain	-	-	-	4	-	370	-	-
Switzerland	-	-	-	110	-	-	-	-
Taiwan	-	-	-	0	-	4	-	-
Thailand	-	-	-	-	-	0	-	-
Trinidad and Tobago	0	-	-	861	-	-	-	-
Turkey	-	-	-	-	-	0	-	-
United Arab Emirates	1	-	-	-	-	0	-	-
United Kingdom	0	-	-	972	-	420	-	-
Venezuela	-	-	-	-	-	-	-	-
Other	28	-	-	1,478	-	782	-	-
Total	391	-	-	22,430	-	21,353	-	-

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-April 2020
 (Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina	1	156	0	253	0	4,405	4,405	—	36	36
Australia	4	795	1	25	1	2,057	8,324	52	17	69
Bahamas	—	—	7	10	—	5,997	7,916	16	50	65
Bahrain	0	—	—	1	—	2	2	—	0	0
Belgium	0	423	—	1,432	4	4,929	6,606	14	41	55
Belize	—	—	—	5	—	263	263	—	2	2
Brazil	2	3,367	—	1,059	3	53,798	58,318	37	445	482
Canada	338	2,812	443	925	34	79,102	130,903	428	654	1,082
Cayman Islands	—	—	16	5	—	389	389	—	3	3
Chile	2	0	105	278	0	19,365	26,532	59	160	219
China	4	7,409	4	65	3	17,532	24,282	56	145	201
Colombia	1	0	6	368	1	14,459	17,792	28	119	147
Costa Rica	1	181	210	59	0	7,154	7,154	—	59	59
Denmark	—	171	—	0	—	397	8,073	63	3	67
Dominican Republic	1	902	274	64	0	10,587	12,091	12	87	100
Ecuador	0	623	0	182	0	14,136	14,136	—	117	117
Egypt	0	1,173	—	4	—	2,989	2,989	—	25	25
El Salvador	0	—	0	84	0	3,877	3,877	—	32	32
Finland	—	—	—	1	—	395	395	—	3	3
France	1	401	—	15	—	8,197	18,899	88	68	156
Germany	26	302	8	9	1	381	9,912	79	3	82
Ghana	—	—	—	2	—	376	376	—	3	3
Gibraltar	—	—	—	—	—	5,818	5,818	—	48	48
Greece	—	1,332	—	1	—	1,465	3,978	21	12	33
Guatemala	1	1,230	0	69	—	11,988	11,988	—	99	99
Honduras	0	1,581	36	38	0	7,625	7,625	—	63	63
Hong Kong	0	—	—	4	1	307	307	—	3	3
India	5	17,099	0	247	1	31,888	61,368	244	264	507
Indonesia	0	0	4	6	0	6,917	10,910	33	57	90
Ireland	—	—	—	0	0	1	5,422	45	0	45
Israel	0	741	—	9	0	1,104	3,447	19	9	28
Italy	1	2,047	0	1	—	3,093	20,366	143	26	168
Jamaica	0	72	0	57	0	3,238	3,238	—	27	27
Japan	3	7,142	3	43	14	73,715	76,310	21	609	631
Korea, South	1	960	3	26	1	22,623	62,235	327	187	514
Lebanon	—	—	—	1	—	914	914	—	8	8
Mexico	63	6,630	991	3,637	129	133,849	133,849	—	1,106	1,106
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	1,457	—	0	—	6,137	6,137	—	51	51
Mozambique	—	301	—	—	—	301	301	—	2	2
Netherlands	66	1,496	4	181	2	18,562	59,712	340	153	493
New Zealand	0	187	—	3	—	191	926	6	2	8
Nicaragua	—	0	—	15	—	472	2,580	17	4	21
Nigeria	—	269	0	153	—	3,001	3,001	—	25	25
Norway	0	344	—	0	0	4,843	6,143	11	40	51
Pakistan	—	1,965	0	15	0	1,980	1,980	—	16	16
Panama	0	265	67	645	0	21,477	23,650	18	177	195
Peru	0	0	0	195	0	12,015	15,988	33	99	132
Philippines	1	278	—	7	0	1,072	1,072	—	9	9
Portugal	0	373	—	0	—	3,017	4,196	10	25	35
Puerto Rico	0	—	1	40	—	350	350	—	3	3
Romania	—	451	—	0	—	451	451	—	4	4
Saudi Arabia	0	136	—	21	0	877	877	—	7	7
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore	0	—	31	233	0	14,181	34,587	169	117	286
South Africa	0	284	0	246	—	2,377	7,556	43	20	62
Spain	2	1,822	—	6	0	9,250	20,263	91	76	167
Switzerland	0	742	34	0	—	2,068	2,068	—	17	17
Taiwan	1	0	2	30	1	5,700	34,977	242	47	289
Thailand	0	446	1	13	1	466	16,654	134	4	138
Trinidad and Tobago	0	—	—	41	0	4,313	4,313	—	36	36
Turkey	0	3,971	0	60	—	6,662	6,662	—	55	55
United Arab Emirates	0	747	1	250	—	1,554	4,776	27	13	39
United Kingdom	1	545	1	5	0	15,376	50,224	288	127	415
Venezuela	—	—	—	22	—	38	38	—	0	0
Other	2	3,097	23	263	5	22,853	44,903	182	189	373
Total	528	76,725	2,276	11,429	202	714,916	1,125,794	3,396	5,908	9,304

-- = Not Applicable.

= No Data Reported.

1 On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, April 2020
 (Thousand Barrels per Day)

Country of Origin	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	623	-18	-	-18	-	-21	-21	0	-	0
Algeria		-	-	0	-	-	-	-	-	-
Angola	30	-	-	0	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	3	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	139	-	-	-	-	0	0	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	57	-20	-	0	-	-21	-21	-	-	-
Saudi Arabia	414	-	-	0	-	0	0	-	-	-
United Arab Emirates	-18	-	-	-18	-	0	0	-	-	-
Venezuela	-	-	-	0	-	0	0	0	-	0
Non-OPEC	1,819	-1,938	16	75	-	-651	-651	76	128	204
Argentina	24	-	-	-8	-	-	-	-	-	-
Aruba	-	0	-	-	-	-	-	-	-	-
Australia	-	-19	-	0	-	-	-	-	-	-
Bahamas	-64	-1	-	-	-	-1	-1	-	-10	-10
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-1	-	-	18	-	1	1	-	-	-
Brazil	90	-133	-	-12	-	-76	-76	-	-7	-7
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	32	0	-	-	-	-	-	-	-	-
Canada	3,292	-273	16	-62	-	-2	-2	59	36	95
Chad	-	-	-	-	-	-	-	-	-	-
China	-114	-111	-	0	-	-	-	-	-	-
Colombia	223	-2	-	-11	-	-2	-2	-	-	-
Denmark	-69	-	-	2	-	0	0	-	-	-
Dominican Republic	-	-69	-	-	-	-	-	-	-	-
Ecuador	164	-32	-	12	-	-20	-20	-	-20	-20
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	3	3
France	-47	-6	-	-1	-	15	15	4	-	4
Germany	-112	0	-	2	-	0	0	-	-	-
Guatemala	9	-14	-	0	-	-14	-14	-	-	-
Honduras	-	-14	-	-	-	-7	-7	-	-	-
India	-247	-125	-	12	-	11	11	-	14	14
Indonesia	-8	-90	-	0	-	-45	-45	-	-	-
Italy	-112	-	-	17	-	-	-	-	17	17
Japan	-30	-411	-	-127	-	0	0	0	3	3
Korea, South	-134	-149	-	-74	-	13	13	0	28	28
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-92	0	-	0	-	-	-	-	-	-
Mexico	570	-157	-	-10	-	-336	-336	-2	-12	-13
Netherlands	-278	-38	-	2	-	11	11	-	60	60
Norway	8	-43	-	-	-	3	3	-	-	-
Oman	-	-	-	0	-	-	-	-	-	-
Panama	-36	-8	-	0	-	-63	-63	-	0	0
Portugal	-	-20	-	-	-	23	23	5	1	6
Puerto Rico	-	0	-	0	-	-9	-9	-	-	-
Qatar	-	-	-	-	-	0	0	-	-	-
Russia	13	-	-	332	-	-	-	-	8	8
Spain	-108	-8	-	-	-	-	-	-	-	-
Sweden	-83	-11	-	12	-	1	1	-	4	4
Trinidad and Tobago	-	-	-	0	-	-10	-10	-	-	-
United Kingdom	-204	-24	-	2	-	-2	-2	10	9	19
Vietnam	-	-	-	-	-	-	-	-	-1	-1
Virgin Islands, U.S.	-	-	-	0	-	-16	-16	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-867	-180	0	-31	-	-126	-126	0	-5	-6
Total	2,442	-1,955	16	58	-	-673	-673	76	128	204
Persian Gulf ²	536	-	-	-18	-	0	0	-	-	-

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, April 2020
 (Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels			Distillate Fuel Oil				Total	
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen- ates	Fuel Ethanol	Biomass- Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm		
OPEC	--	--	-2	-	-	-	0	-	-	-	0
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-2	-	-	-	0	-	-	-	0
United Arab Emirates	--	--	0	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-80	3	22	-	-638	-81	-146	-	-865
Argentina	--	--	-	-	-	-	-14	-	-	-	-14
Aruba	--	--	-	-	-	-	0	-	-	-	0
Australia	--	--	-2	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-40	-	-17	-	-56
Bahrain	--	--	0	-	-	-	-	-	-	-	-
Belgium	--	--	0	-	-	-	0	-	-	-	0
Brazil	--	--	-19	-	-	-	-104	-	-20	-	-124
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-9	-8	-	-	163	-2	-3	-	158
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	0	0	-	-	-11	-	-	-	-11
Colombia	--	--	-2	-	-	-	1	-	-	-	1
Denmark	--	--	-	-	-	-	-6	-	-	-	-6
Dominican Republic	--	--	0	-	-	-	-6	-	-	-	-6
Ecuador	--	--	-	-	-	-	-13	-	-10	-	-23
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-3	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-9	-	-	-	-9
Germany	--	--	-	9	-	-	0	-	-	-	0
Guatemala	--	--	0	-	-	-	-13	-	-	-	-13
Honduras	--	--	-	-	-	-	-14	-	-	-	-14
India	--	--	-13	-	-	-	0	5	-	-	5
Indonesia	--	--	0	-	-	-	-9	-	-	-	-9
Italy	--	--	-	-	-	-	-	-	-	-	-
Japan	--	--	0	-	-	-	-	-	-	-	-
Korea, South	--	--	-10	1	-	-	2	-	-	-	2
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	0	-	-	-	0
Mexico	--	--	-11	0	-	-	-243	-1	-1	-	-244
Netherlands	--	--	-	-1	-	-	-10	-21	-21	-	-52
Norway	--	--	-2	-	-	-	-5	-	-	-	-5
Oman	--	--	0	-	-	-	0	-	-	-	0
Panama	--	--	-	-	-	-	-71	-11	-15	-	-97
Portugal	--	--	0	-	-	-	-	-	-	-	-
Puerto Rico	--	--	0	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	11	-	-	-	11
Russia	--	--	-	-	-	-	17	-	-	-	17
Spain	--	--	-	2	-	-	11	-	-11	-	1
Sweden	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	0	-	-	-	-2	-18	-9	-	-30
United Kingdom	--	--	0	-	-	-	-28	-	-	-	-28
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-46	-12	-	-	-58
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-9	0	22	-	-199	-21	-39	-	-261
Total	--	--	-82	3	22	-	-638	-81	-146	-	-865
Persian Gulf ²	--	--	-2	-	-	-	11	-	-	-	11

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, April 2020
 (Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
OPEC	0	-	-	16	2	11	-	-
Algeria	-	-	-	-	-	1	-	-
Angola	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	-	-	-	1	-	-	-	-
Kuwait	-	-	-	0	-	-	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	15	2	-	-	-
United Arab Emirates	0	-	-	-	-	10	-	-
Venezuela	-	-	-	-	-	-	-	-
Non-OPEC	-2	1	-	61	20	41	13	4
Argentina	-	-	-	-	-	5	-	-
Aruba	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	0	-	-
Bahamas	0	-	-	-5	-	18	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	13	-	-
Brazil	-	-	-	-	-	10	-	-
Brunei	-	-	-	11	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	0	0	-	-3	3	12	3	3
Chad	-	-	-	-	-	-	-	-
China	-	-	-	0	-	0	-	-
Colombia	-	-	-	4	-	5	-	-
Denmark	-	-	-	-	-	-	-	-
Dominican Republic	0	-	-	-	-	-9	-	-
Ecuador	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-
Finland	-	-	-	-10	-	-	-	-
France	-	-	-	-	1	-	-	1
Germany	-	-	-	-	1	0	-	-
Guatemala	0	-	-	-	-	-	-	-
Honduras	-	-	-	-1	-	-	-	-
India	0	-	-	-	-	0	-	-
Indonesia	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-
Japan	-	-	-	21	3	-	2	-
Korea, South	-	-	-	76	7	-	-	-
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-
Mexico	-2	-	-	-16	1	14	7	-
Netherlands	-	1	-	-	-	13	-	-
Norway	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-
Panama	-	-	-	-	-	-18	-	-
Portugal	-	-	-	-	-	13	-	-
Puerto Rico	-	-	-	-	-	-	-	-
Qatar	-	-	-	5	-	-	-	-
Russia	-	-	-	-	-	38	-	-
Spain	-	-	-	-	1	-12	-	-
Sweden	-	-	-	-	-	-	-	-
Trinidad and Tobago	0	-	-	-	-	-	-	-
United Kingdom	-	-	-	0	-	1	-	-
Vietnam	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-4	-	-	-	-
Yemen	-	-	-	-	-	-	-	-
Other	0	0	-	-17	3	-62	1	0
Total	-2	1	-	76	21	52	13	4
Persian Gulf ²	0	-	-	20	2	10	-	-

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, April 2020
 (Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
OPEC	0	0	0	-7	-	-37	586
Algeria	-	-	-	-	1	1	
Angola	-	-	-	0	-	0	30
Congo (Brazzaville)	-	-	-	-	-	-	0
Equatorial Guinea	-	-	-	0	-	3	3
Gabon	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-
Iraq	-	-	-	0	-	1	140
Kuwait	-	-	0	0	-	0	0
Libya	-	-	-	0	-	0	0
Nigeria	-	-	-	-3	-	-45	12
Saudi Arabia	0	0	-	0	-	14	429
United Arab Emirates	-	0	0	-3	-	-11	-28
Venezuela	-	-	-	0	-	0	0
Non-OPEC	2	-563	40	-23	-1	-3,621	-1,802
Argentina	0	9	-	-1	-	-10	15
Aruba	-	-	-	0	-	0	0
Australia	0	-7	0	0	-	-28	-28
Bahamas	-	-	0	0	-	-54	-118
Bahrain	0	-	-	0	-	0	0
Belgium	0	0	-	-7	0	25	24
Brazil	0	-32	-	-3	0	-396	-306
Brunei	-	-	-	0	-	10	10
Cameroon	-	-	-	-	-	0	32
Canada	-1	-30	32	0	0	-66	3,226
Chad	-	-	-	-	-	-	-
China	1	-133	0	0	0	-254	-368
Colombia	0	-	2	-2	0	-7	217
Denmark	-	-	-	0	-	-4	-73
Dominican Republic	0	-12	-	0	-	-97	-97
Ecuador	0	-9	0	-3	-	-94	70
Estonia	-	-	-	0	-	0	0
Finland	-	-	-	0	-	-10	-10
France	0	0	-	0	-	6	-41
Germany	0	-10	0	0	0	3	-109
Guatemala	0	-9	-	-1	-	-50	-41
Honduras	0	-28	-	0	0	-64	-64
India	0	-70	-	-4	0	-169	-416
Indonesia	0	0	0	1	0	-143	-151
Italy	0	-22	0	1	-	13	-99
Japan	0	-62	0	0	0	-572	-602
Korea, South	0	-8	0	7	0	-107	-242
Latvia	-	-	-	0	-	0	0
Lithuania	-	-	-	0	0	0	0
Malaysia	0	-6	0	0	-	-6	-98
Mexico	0	-18	-7	-17	-1	-811	-241
Netherlands	0	-8	0	4	0	-8	-286
Norway	0	-1	-	0	-	-49	-41
Oman	-	-	0	0	-	0	0
Panama	0	-	-	-1	0	-186	-222
Portugal	-	-	-	0	-	22	22
Puerto Rico	-	-	-	0	-	-9	-9
Qatar	-	-	-	10	-	26	26
Russia	-	-	0	0	-	395	408
Spain	0	-6	-	0	0	-23	-131
Sweden	0	-1	-	0	-	5	-78
Trinidad and Tobago	-	-	-	0	-	-40	-40
United Kingdom	1	-1	-	1	0	-32	-236
Vietnam	0	-	0	0	0	-1	-1
Virgin Islands, U.S.	-	-	0	0	-	-78	-78
Yemen	-	-	-	0	-	0	0
Other	1	-99	13	-8	0	-758	-1,626
Total	2	-563	40	-30	-1	-3,658	-1,216
Persian Gulf ²	0	0	0	7	-	30	567

-- = Not Applicable.

- = No Data Reported.

1 On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

2 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-April 2020
 (Thousand Barrels per Day)

Country of Origin	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	778	-10	-	7	-	-3	-3	0	12	12
Algeria	-	-	-	7	-	-	-	-	7	7
Angola	15	-	-	0	-	-	-	-	3	3
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	4	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	248	-	-	0	-	0	0	0	-	0
Kuwait	28	-	-	0	-	0	0	-	-	-
Libya	26	-	-	-	-	-	-	-	-	-
Nigeria	60	-14	-	0	-	-5	-5	-	2	2
Saudi Arabia	427	0	-	5	-	3	3	-	-	-
United Arab Emirates	-27	0	-	-4	-	0	0	-	0	0
Venezuela	-	0	-	0	-	0	0	0	-	0
Non-OPEC	2,012	-1,983	15	243	-	-708	-708	154	180	333
Argentina	8	0	-	-9	-	-7	-7	-	1	1
Aruba	-	0	-	0	-	-1	-1	-	-	-
Australia	-52	-10	-	0	-	0	0	0	-	0
Bahamas	-16	-1	-	0	-	0	0	0	-3	-3
Bahrain	-	-	-	0	-	-	-	0	-	0
Belgium	-14	-14	-	18	-	0	0	-	2	2
Brazil	49	-63	-	-41	-	-76	-76	-	6	6
Brunei	25	-	-	-	-	-	-	-	-	-
Cameroon	27	0	-	-	-	-	-	-	-	-
Canada	3,385	-245	14	-62	-	-19	-19	114	8	122
Chad	-	0	-	-	-	-	-	-	-	-
China	-56	-72	-	-8	-	0	0	-	-	-
Colombia	258	-1	-	-28	-	-18	-18	-	-3	-3
Denmark	-63	-	-	0	-	0	0	-	0	0
Dominican Republic	-12	-39	-	0	-	-10	-10	0	-1	-1
Ecuador	208	-33	-	14	-	-17	-17	0	-10	-10
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	0	-	0	0	0	12	12
France	-88	-36	-	-6	-	16	16	3	-	3
Germany	-79	0	-	0	-	1	1	-	0	0
Guatemala	5	-11	-	0	-	-34	-34	0	0	0
Honduras	-	-15	-	0	-	-11	-11	0	0	0
India	-244	-101	-	3	-	3	3	0	41	41
Indonesia	-33	-44	-	0	-	-11	-11	-	-	-
Italy	-143	-3	-	6	-	0	0	-	15	15
Japan	-21	-491	-	-56	-	0	0	0	4	4
Korea, South	-327	-133	-	-36	-	8	8	0	13	13
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-35	0	-	4	-	0	0	-	0	0
Mexico	688	-181	1	5	-	-420	-420	-3	-9	-12
Netherlands	-340	-63	-	-3	-	14	14	21	23	44
Norway	-9	-31	-	1	-	1	1	-	2	2
Oman	-	-	-	0	-	-	-	-	-	-
Panama	-13	-4	-	0	-	-41	-41	-	0	0
Portugal	-10	-22	-	2	-	20	20	1	6	7
Puerto Rico	-	0	-	0	-	-2	-2	-	0	0
Qatar	-	0	-	0	-	0	0	0	-	0
Russia	95	0	-	412	-	4	4	-	21	21
Spain	-91	-48	-	3	-	7	7	-	14	14
Sweden	-51	-23	-	7	-	0	0	-	5	5
Trinidad and Tobago	34	1	-	0	-	-9	-9	-	-	-
United Kingdom	-265	-72	-	0	-	2	2	17	22	39
Vietnam	-25	-	-	0	-	-	-	-	0	0
Virgin Islands, U.S.	-	-7	-	0	-	-4	-4	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-783	-221	0	17	-	-104	-104	1	11	11
Total	2,790	-1,993	15	250	-	-711	-711	154	192	345
Persian Gulf ²	677	0	-	1	-	2	2	0	0	0

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-April 2020
 (Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels			Distillate Fuel Oil				Total	
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen- ates	Fuel Ethanol	Biomass- Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm		
OPEC	--	--	-4	-	-	-	1	-	-	-	1
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	0	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-2	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-1	-	-	-	1	-	-	-	1
United Arab Emirates	-	-	0	-	-	-	0	-	-	-	0
Venezuela	-	-	-	-	-	-	0	-	-	-	0
Non-OPEC	--	--	-107	6	18	-	-865	-118	-127	-	-1,110
Argentina	-	-	0	-	-	-	-16	-	-	-	-16
Aruba	-	-	0	-	-	-	0	-	-	-	0
Australia	-	-	-1	-	-	-	0	-	-	-	0
Bahamas	-	-	0	-	-	-	-17	-3	-12	-	-32
Bahrain	-	-	0	-	-	-	-	-	-	-	-
Belgium	-	-	0	0	-	-	-6	-1	-	-	-7
Brazil	-	-	-29	-	-	-	-141	-20	-11	-	-171
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-18	1	-	-	150	-10	-2	-	139
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	0	0	-	-	-3	-	-	-	-3
Colombia	-	-	-5	-	-	-	-31	-	-	-	-31
Denmark	-	-	-	0	-	-	-1	-	-	-	-1
Dominican Republic	-	-	0	-	-	-	-9	-	-7	-	-16
Ecuador	-	-	0	-	-	-	-28	-	-20	-	-48
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-1	-	-	-	-	-	-	-	-
France	-	-	0	-	-	-	-22	-	0	-	-22
Germany	-	-	0	4	-	-	0	-	-	-	0
Guatemala	-	-	0	-	-	-	-16	-21	-5	-	-42
Honduras	-	-	-	-	-	-	-10	-5	-3	-	-19
India	-	-	-19	-	-	-	7	1	-	-	8
Indonesia	-	-	0	-	-	-	-2	-	-	-	-2
Italy	-	-	0	-	-	-	-1	-	-	-	-1
Japan	-	-	-1	-	-	-	0	0	-	-	0
Korea, South	-	-	-9	1	-	-	0	-	-	-	0
Latvia	-	-	-	-	-	-	0	-	-	-	0
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	0	-	-	-	0	-	-	-	0
Mexico	-	-	-4	0	-	-	-279	-1	-7	-	-287
Netherlands	-	-	-5	-1	-	-	-30	-6	-6	-	-43
Norway	-	-	-1	-	-	-	-3	-	-	-	-3
Oman	-	-	0	-	-	-	0	-	-	-	0
Panama	-	-	0	-	-	-	-69	-16	-9	-	-94
Portugal	-	-	0	-	-	-	-	-	-	-	-
Puerto Rico	-	-	0	0	-	-	0	0	-	-	0
Qatar	-	-	0	-	-	-	3	-	-	-	3
Russia	-	-	-	-	-	-	4	0	-	-	4
Spain	-	-	0	1	-	-	-2	-	-3	-	-5
Sweden	-	-	0	-	-	-	-2	-	-	-	-2
Trinidad and Tobago	-	-	0	-	-	-	-3	-11	-4	-	-19
United Kingdom	-	-	-2	-	-	-	-28	-	-5	-	-33
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	0	-	-	-	-11	-3	-	-	-14
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-12	0	18	-	-299	-22	-33	-	-353
Total	--	--	-110	6	18	-	-864	-118	-127	-	-1,110
Persian Gulf²	--	--	-1	-	-	-	4	-	-	-	4

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-April 2020
 (Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
OPEC	0	-	-	7	0	0	-	-
Algeria	-	-	-	-	-	2	-	-
Angola	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	-	-	-	0	-	-	-	-
Kuwait	-	-	-	1	-	-	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	0	-	-
Saudi Arabia	-	-	-	6	0	-5	-	-
United Arab Emirates	0	-	-	-	-	3	-	-
Venezuela	-	-	-	-	-	-	-	-
Non-OPEC	-3	0	-	-41	14	-2	16	3
Argentina	-	-	-	-1	-	4	-	0
Aruba	0	-	-	-1	-	-	-	-
Australia	0	-	-	-	-	0	-	-
Bahamas	0	-	-	-7	-	6	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	4	0	-
Brazil	0	-	-	-5	1	-2	-	-
Brunei	-	-	-	6	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	-1	0	-	-27	2	-5	3	3
Chad	-	-	-	-	-	-	-	-
China	-	-	-	3	-	0	-	-
Colombia	-	-	-	-1	-	3	-	-
Denmark	-	-	-	-	-	1	-	-
Dominican Republic	0	-	-	-7	-	-5	-	-
Ecuador	0	-	-	0	-	5	-	-
Estonia	-	-	-	-	-	-	-	-
Finland	-	-	-	-2	-	0	-	-
France	-	-	-	-	0	0	-	0
Germany	-	-	-	-	0	0	-	-
Guatemala	0	-	-	-2	-	0	-	-
Honduras	0	-	-	-1	-	-3	-	-
India	0	-	-	4	-	0	-	-
Indonesia	-	-	-	-	-	-	-	-
Italy	-	-	-	-5	-	-	-	-
Japan	0	-	-	21	2	-	2	-
Korea, South	-	-	-	72	7	0	0	-
Latvia	-	-	-	-	-	1	-	-
Lithuania	-	-	-	-	-	3	-	-
Malaysia	0	-	-	0	-	-5	-	-
Mexico	-2	-	-	-52	1	19	7	-
Netherlands	-	0	-	-5	-	-1	3	-
Norway	-	-	-	-	-	-	0	-
Oman	-	-	-	-	-	-	-	-
Panama	0	-	-	-8	-	-20	-	-
Portugal	-	-	-	-	-	4	-	-
Puerto Rico	0	-	-	0	-	-	-	-
Qatar	0	-	-	1	-	-	-	-
Russia	0	-	-	-	-	31	-	-
Spain	-	-	-	0	0	-3	-	-
Sweden	-	-	-	-	-	1	-	-
Trinidad and Tobago	0	-	-	-6	-	-	-	-
United Kingdom	0	-	-	-6	-	-2	0	-
Vietnam	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	0	-	-	-3	-	-1	-	-
Yemen	-	-	-	-	-	-	-	-
Other	0	0	-	-9	1	-37	1	0
Total	-3	0	-	-34	15	-2	16	3
Persian Gulf ²	0	-	-	8	0	-2	-	-

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-April 2020
 (Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
OPEC	0	-10	0	1	0	3	781
Algeria	-	-	0	-	16	16	
Angola	-	-	0	-	3	18	
Congo (Brazzaville)	-	-	-	-	-	0	
Equatorial Guinea	-	-	-	0	-	4	4
Gabon	-	-	-	0	-	0	0
Iran	-	-	-	-	-	-	-
Iraq	0	-	-	0	-	0	248
Kuwait	-	-	0	0	-	1	29
Libya	-	-	-	0	-	0	26
Nigeria	-	-2	0	-1	-	-22	38
Saudi Arabia	0	-1	-	0	0	8	435
United Arab Emirates	0	-6	0	3	-	-5	-32
Venezuela	-	-	-	0	-	0	0
Non-OPEC	1	-613	30	-51	-2	-3,942	-1,930
Argentina	0	6	0	-2	0	-22	-14
Aruba	-	-	0	0	-	-3	-3
Australia	0	-7	0	0	0	-17	-69
Bahamas	-	-	0	0	-	-37	-53
Bahrain	0	-	-	2	-	2	2
Belgium	0	-3	-	-11	0	-10	-24
Brazil	0	-28	-	-9	0	417	367
Brunei	-	-	-	0	-	6	31
Cameroon	0	-	-	0	-	0	27
Canada	-1	-21	35	0	0	-82	3,303
Chad	-	-	-	-	-	0	0
China	2	-61	0	-1	0	-141	-196
Colombia	0	0	1	-3	0	-85	173
Denmark	-	-1	-	0	-	-2	-66
Dominican Republic	0	-7	-2	-1	0	-87	-100
Ecuador	0	-5	0	-2	0	-96	112
Estonia	-	-	-	0	-	0	0
Finland	-	-	-	0	-	9	9
France	0	-3	-	0	-	-48	-136
Germany	0	-1	0	0	0	5	-73
Guatemala	0	-10	0	-1	-	-99	-95
Honduras	0	-13	0	0	0	-63	-63
India	0	-141	0	-2	0	-205	-449
Indonesia	0	0	0	2	0	-55	-88
Italy	0	-17	1	1	-	-2	-145
Japan	0	-59	0	0	0	-578	-599
Korea, South	0	-8	0	12	0	-72	-400
Latvia	-	-	-	0	-	1	1
Lithuania	-	-	-	0	0	3	3
Malaysia	0	-4	0	0	0	-5	-40
Mexico	-1	-55	-8	-30	-1	-1,021	-333
Netherlands	-1	-12	0	0	0	-73	-413
Norway	0	-3	-	0	0	-33	-42
Oman	-	-1	0	0	-	-1	-1
Panama	0	-2	-1	-5	0	-175	-188
Portugal	0	-3	-	0	-	8	-1
Puerto Rico	0	-	0	0	-	-3	-3
Qatar	-	-1	-	9	-	12	12
Russia	0	0	0	0	-	472	568
Spain	0	-15	3	0	0	-43	-134
Sweden	0	0	-	0	-	-12	-63
Trinidad and Tobago	0	-	-	0	0	-34	1
United Kingdom	1	-4	0	1	0	-75	-340
Vietnam	0	-2	0	0	0	-3	-28
Virgin Islands, U.S.	-	-	0	0	-	-30	-30
Yemen	-	-	-	0	-	0	0
Other	1	-132	1	-11	-1	-831	-1,616
Total	1	-623	30	-50	-2	-3,939	-1,149
Persian Gulf ²	0	-8	0	13	0	17	694

-- = Not Applicable.

- = No Data Reported.

1 On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

2 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, April 2020
 (Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Crude Oil	11,968	156,343	916,904	25,477	56,298	1,166,990
Refinery	7,140	14,043	49,216	2,726	23,511	96,636
Tank Farms and Pipelines (Includes Cushing, OK)	4,828	142,300	229,862	22,751	29,011	428,752
Cushing, Oklahoma	—	65,505	—	—	—	65,505
Leases	—	—	—	—	—	—
Strategic Petroleum Reserve ¹	—	—	637,826	—	—	637,826
Alaskan In Transit	—	—	—	—	3,776	3,776
Total Stocks, All Oils (excluding Crude Oil) ²	174,151	176,374	399,804	22,939	95,065	868,334
Refinery	12,618	44,523	118,563	11,017	49,448	236,169
Bulk Terminal	133,487	94,675	221,938	7,639	40,394	498,134
Pipeline	27,780	36,047	57,674	4,129	5,008	130,638
Natural Gas Processing Plant	266	1,129	1,629	154	215	3,393
Natural Gas Liquids	8,145	38,028	139,470	3,512	3,199	192,354
Refinery	278	2,917	5,873	343	1,396	10,807
Bulk Terminal	5,501	18,761	112,438	850	1,588	139,138
Pipeline	2,100	15,221	19,530	2,165	—	39,016
Natural Gas Processing Plant	266	1,129	1,629	154	215	3,393
Ethane	755	4,861	43,088	459	—	49,163
Refinery	—	—	35	—	—	35
Bulk Terminal	480	2,077	36,161	—	—	38,718
Pipeline	275	2,662	6,718	453	—	10,108
Natural Gas Processing Plant	—	122	174	6	—	302
Propane	4,712	11,515	43,431	1,339	864	61,861
Refinery	55	465	624	28	92	1,264
Bulk Terminal	3,003	7,373	36,484	414	737	48,011
Pipeline	1,524	3,203	6,105	838	—	11,670
Natural Gas Processing Plant	130	474	218	59	35	916
Normal Butane	2,181	8,611	24,206	1,015	1,783	37,796
Refinery	113	1,391	3,153	214	823	5,694
Bulk Terminal	1,791	5,655	18,108	422	848	26,824
Pipeline	226	1,363	2,677	339	—	4,605
Natural Gas Processing Plant	51	202	268	40	112	673
Isobutane	159	2,245	11,054	287	500	14,245
Refinery	110	652	1,697	93	478	3,030
Bulk Terminal	—	811	7,917	—	—	8,728
Pipeline	38	654	1,139	180	—	2,011
Natural Gas Processing Plant	11	128	301	14	22	476
Natural Gasoline	338	10,796	17,691	412	52	29,289
Refinery	—	409	364	8	3	784
Bulk Terminal	227	2,845	13,768	14	3	16,857
Pipeline	37	7,339	2,891	355	—	10,622
Natural Gas Processing Plant	74	203	668	35	46	1,026
Refinery Olefins	139	278	2,691	86	50	3,244
Refinery	139	278	2,691	86	50	3,244
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Natural Gas Processing Plant	—	—	—	—	—	—
Ethylene	—	—	0	—	—	0
Refinery	—	—	0	—	—	0
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Natural Gas Processing Plant	—	—	—	—	—	—
Propylene	81	248	1,089	0	16	1,434
Refinery	81	248	1,089	0	16	1,434
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Natural Gas Processing Plant	—	—	—	—	—	—
Normal Butylene	39	30	1,602	86	34	1,791
Refinery	39	30	1,602	86	34	1,791
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Natural Gas Processing Plant	—	—	—	—	—	—
Isobutylene	19	0	0	0	0	19
Refinery	19	0	0	0	0	19
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Natural Gas Processing Plant	—	—	—	—	—	—
Other Hydrocarbons	—	13	—	—	—	13
Refinery	—	13	—	—	—	13
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, April 2020
 (Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
MTBE	—	—	—	—	—	—
Refinery	—	—	—	—	—	—
Bulk Terminal ³	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Other Oxygenates⁴	—	—	—	—	—	—
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	10,085	9,555	7,441	470	4,696	32,248
Refinery	229	143	575	211	248	1,406
Bulk Terminal	9,856	9,412	6,866	255	4,448	30,838
Pipeline	—	—	—	4	—	4
Fuel Ethanol²	8,916	8,508	5,277	389	3,012	26,102
Refinery	223	107	211	134	38	713
Bulk Terminal	8,693	8,401	5,066	251	2,974	25,385
Pipeline	—	—	—	4	—	4
Renewable Diesel Fuel⁵	1,169	1,047	2,159	81	1,643	6,100
Refinery	6	36	364	77	210	693
Bulk Terminal	1,163	1,011	1,795	4	1,433	5,407
Pipeline	—	—	—	—	—	—
Other Renewable Fuels	—	—	5	—	41	46
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	5	—	41	46
Pipeline	—	—	—	—	—	—
Unfinished Oils	4,459	14,210	50,728	3,094	20,476	92,967
Naphtha and Lighter	1,177	3,611	10,749	750	3,534	19,821
Refinery	1,077	3,598	9,442	750	3,213	18,080
Bulk Terminal	100	13	1,307	—	321	1,741
Kerosene and Light Gas Oils	656	2,301	8,930	532	4,861	17,280
Refinery	656	2,301	6,967	532	4,753	15,209
Bulk Terminal	—	—	1,963	—	108	2,071
Heavy Gas Oils	1,864	6,016	23,923	1,396	9,237	42,436
Refinery	1,637	5,622	19,351	1,396	9,176	37,182
Bulk Terminal	227	394	4,572	—	61	5,254
Residuum	762	2,282	7,126	416	2,844	13,430
Refinery	762	2,181	6,440	416	2,839	12,638
Bulk Terminal	—	101	686	—	5	792
Motor Gasoline Blending Components²	67,291	49,870	81,903	6,269	29,099	234,432
Refinery	3,360	11,701	25,668	3,040	12,757	56,526
Bulk Terminal	53,637	30,113	38,099	2,276	13,979	138,104
Pipeline	10,294	8,056	18,136	953	2,363	39,802
Reformulated - RBOB	23,599	5,655	11,036	—	14,600	54,890
Refinery	860	929	2,236	—	4,535	8,560
Bulk Terminal	19,132	3,385	4,975	—	8,824	36,316
Pipeline	3,607	1,341	3,825	—	1,241	10,014
Conventional	43,692	44,215	70,867	6,269	14,499	179,542
Refinery	2,500	10,772	23,432	3,040	8,222	47,966
Bulk Terminal	34,505	26,728	33,124	2,276	5,155	101,788
Pipeline	6,687	6,715	14,311	953	1,122	29,788
CBOB	27,546	36,453	38,458	4,921	7,834	115,212
Refinery	519	5,387	10,099	1,695	2,250	19,950
Bulk Terminal	20,340	24,540	14,239	2,273	4,465	65,857
Pipeline	6,687	6,526	14,120	953	1,119	29,405
GTAB	1,247	—	—	—	—	1,247
Refinery	—	—	—	—	—	—
Bulk Terminal	1,247	—	—	—	—	1,247
Pipeline	—	—	—	—	—	—
Other	14,899	7,762	32,409	1,348	6,665	63,083
Refinery	1,981	5,385	13,333	1,345	5,972	28,016
Bulk Terminal	12,918	2,188	18,885	3	690	34,684
Pipeline	—	189	191	—	3	383
Aviation Gasoline Blending Components	—	—	41	—	—	41
Refinery	—	—	41	—	—	41
Bulk Terminal	—	—	—	—	—	—
Finished Motor Gasoline	2,932	6,594	8,726	2,104	2,514	22,870
Refinery	28	962	2,207	989	866	5,052
Bulk Terminal	1,420	2,649	4,782	808	1,479	11,138
Pipeline	1,484	2,983	1,737	307	169	6,680
Reformulated	29	—	—	—	21	50
Refinery	—	—	—	—	21	21
Bulk Terminal	29	—	—	—	—	29
Pipeline	—	—	—	—	—	—
Reformulated (Blended with Fuel Ethanol)	29	—	—	—	21	50
Refinery	—	—	—	—	21	21
Bulk Terminal	29	—	—	—	—	29
Pipeline	—	—	—	—	—	—

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, April 2020
 (Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Reformulated (Other)	—	—	—	—	—	—
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Conventional	2,903	6,594	8,726	2,104	2,493	22,820
Refinery	28	962	2,207	989	845	5,031
Bulk Terminal	1,391	2,649	4,782	808	1,479	11,109
Pipeline	1,484	2,983	1,737	307	169	6,680
Conventional (Blended with Fuel Ethanol)	26	109	—	53	8	196
Refinery	—	—	—	50	—	50
Bulk Terminal	26	109	—	3	8	146
Pipeline	—	—	—	—	—	—
Ed55 and Lower	26	109	—	53	—	188
Refinery	—	—	—	50	—	50
Bulk Terminal	26	109	—	3	—	138
Pipeline	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	—	—	8	8
Pipeline	—	—	—	—	—	—
Conventional (Other)	2,877	6,485	8,726	2,051	2,485	22,624
Refinery	28	962	2,207	939	845	4,981
Bulk Terminal	1,365	2,540	4,782	805	1,471	10,963
Pipeline	1,484	2,983	1,737	307	169	6,680
Finished Aviation Gasoline	221	195	575	4	327	1,322
Refinery	—	50	451	4	160	665
Bulk Terminal	221	145	124	—	167	657
Pipeline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	10,292	6,790	12,559	693	9,659	39,993
Refinery	209	1,402	4,751	311	3,136	9,809
Bulk Terminal	7,354	4,207	5,774	366	5,918	23,619
Pipeline	2,729	1,181	2,034	16	605	6,565
Kerosene	1,290	209	183	1	8	1,691
Refinery	107	133	76	1	1	318
Bulk Terminal	1,181	75	98	—	7	1,361
Pipeline	2	1	9	—	—	12
Distillate Fuel Oil²	48,986	32,183	51,033	3,939	14,568	150,709
Refinery	1,479	5,795	16,063	1,832	6,244	31,413
Bulk Terminal	36,336	17,783	18,742	1,423	6,453	80,737
Pipeline	11,171	8,605	16,228	684	1,871	38,559
15 ppm sulfur and Under	44,727	31,373	43,833	3,717	13,338	136,988
Refinery	1,131	5,327	13,249	1,627	5,393	26,727
Bulk Terminal	33,128	17,668	15,136	1,408	6,172	73,512
Pipeline	10,468	8,378	15,448	682	1,773	36,749
Greater than 15 ppm to 500 ppm sulfur	1,395	388	1,814	154	342	4,093
Refinery	179	103	1,177	137	257	1,853
Bulk Terminal	1,216	78	533	15	—	1,842
Pipeline	—	207	104	2	85	398
Greater than 500 ppm sulfur	2,864	422	5,386	68	888	9,628
Refinery	169	365	1,637	68	594	2,833
Bulk Terminal	1,992	37	3,073	—	281	5,383
Pipeline	703	20	676	—	13	1,412
Residual Fuel Oil	8,526	1,155	21,454	201	5,212	36,548
Refinery	495	806	3,000	201	1,940	6,442
Bulk Terminal	8,031	349	18,454	—	3,272	30,106
Pipeline	—	—	—	—	—	—
Less than 0.31% Sulfur	1,530	97	2,590	29	934	5,180
Refinery	68	63	69	29	—	229
Bulk Terminal	1,462	34	2,521	—	934	4,951
0.31% to 1.00% Sulfur	2,153	308	3,189	4	527	6,181
Refinery	154	142	134	4	107	541
Bulk Terminal	1,999	166	3,055	—	420	5,640
Greater than 1.00% Percent Sulfur	4,843	750	15,675	168	3,751	25,187
Refinery	273	601	2,797	168	1,833	5,672
Bulk Terminal	4,570	149	12,878	—	1,918	19,515
Petrochemical Feedstocks	4	467	2,384	—	1	2,856
Refinery	4	467	2,384	—	1	2,856
Naphtha for Petrochemical Feedstock Use	4	379	1,673	—	1	2,057
Other Oils for Petrochemical Feedstock Use	—	88	711	—	—	799
Special Naphthas	39	155	847	—	46	1,087
Refinery	24	74	840	—	46	984
Bulk Terminal	15	81	7	—	—	103
Lubricants	1,616	848	9,717	—	620	12,801
Refinery	988	236	5,233	—	372	6,829
Bulk Terminal	628	612	4,484	—	248	5,972
Waxes	354	62	250	—	—	666
Refinery	354	62	250	—	—	666
Petroleum Coke	—	1,193	3,312	172	1,162	5,839
Refinery	—	1,193	3,312	172	1,162	5,839
Asphalt and Road Oil	9,724	14,483	6,084	2,382	3,344	36,017
Refinery	744	4,503	2,542	721	1,004	9,514
Bulk Terminal	8,980	9,980	3,542	1,661	2,340	26,503

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, April 2020
 (Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Miscellaneous Products	48	86	406	12	84	636
Refinery	48	86	406	12	84	636
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Total Stocks, All Oils	186,119	332,717	1,316,708	48,416	151,363	2,035,324

— = Not Applicable.

— = No Data Reported.

Lease stocks were excluded from crude oil stocks beginning with data for July 2016 (see explanatory notes).

¹ Crude oil stocks in the Strategic Petroleum Reserve include non-U.S. stocks held under foreign or commercial storage agreements.

² Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Includes stocks held at fuel ethanol production facilities.

³ Includes stocks held by merchant producers.

⁴ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

⁵ Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Stocks are reported as of the last day of the month.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, April 2020
 (Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components ¹			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
PAD District 1	29	1,419	1,448	19,992	37,005	56,997	1,288
Connecticut	—	—	—	1,478	36	1,514	16
Delaware	—	—	—	1,306	877	2,183	97
District of Columbia	—	—	—	—	—	—	—
Florida	—	662	662	—	7,316	7,316	—
Georgia	—	187	187	—	2,190	2,190	—
Maine	—	—	—	222	240	462	246
Maryland	—	—	—	2,025	58	2,083	93
Massachusetts	5	—	5	1,674	—	1,674	39
New Hampshire	—	—	—	—	—	—	—
New Jersey	—	31	31	9,112	14,725	23,837	199
New York	24	3	27	859	2,130	2,989	363
North Carolina	—	209	209	—	2,716	2,716	160
Pennsylvania	—	5	5	630	3,824	4,454	38
Rhode Island	—	—	—	852	—	852	—
South Carolina	—	200	200	—	1,150	1,150	3
Vermont	—	26	26	—	—	—	3
Virginia	—	59	59	1,834	1,601	3,435	31
West Virginia	—	37	37	—	142	142	—
PAD District 2	—	3,611	3,611	4,314	37,500	41,814	208
Illinois	—	245	245	2,022	4,488	6,510	129
Indiana	—	194	194	1,077	6,376	7,453	2
Iowa	—	194	194	—	2,688	2,688	34
Kansas	—	411	411	—	3,775	3,775	11
Kentucky	—	194	194	367	1,017	1,384	—
Michigan	—	179	179	17	2,444	2,461	—
Minnesota	—	381	381	—	2,482	2,482	—
Missouri	—	337	337	165	689	854	—
Nebraska	—	83	83	—	1,073	1,073	—
North Dakota	—	96	96	—	764	764	—
Ohio	—	460	460	3	3,747	3,750	24
Oklahoma	—	590	590	—	3,738	3,738	8
South Dakota	—	66	66	—	510	510	—
Tennessee	—	124	124	—	1,599	1,599	—
Wisconsin	—	57	57	663	2,110	2,773	—
PAD District 3	—	6,989	6,989	7,211	56,556	63,767	174
Alabama	—	120	120	11	1,660	1,671	3
Arkansas	—	135	135	10	701	711	—
Louisiana	—	1,248	1,248	348	11,606	11,954	43
Mississippi	—	1,382	1,382	21	1,652	1,673	—
New Mexico	—	17	17	—	599	599	—
Texas	—	4,087	4,087	6,821	40,338	47,159	128
PAD District 4	—	1,797	1,797	—	5,316	5,316	1
Colorado	—	368	368	—	1,617	1,617	—
Idaho	—	317	317	—	226	226	—
Montana	—	470	470	—	1,281	1,281	—
Utah	—	80	80	—	1,071	1,071	1
Wyoming	—	562	562	—	1,121	1,121	—
PAD District 5	21	2,324	2,345	13,359	13,377	26,736	8
Alaska	—	1,020	1,020	—	—	—	7
Arizona	—	45	45	786	227	1,013	—
California	21	292	313	12,464	6,206	18,670	1
Hawaii	—	409	409	—	900	900	—
Nevada	—	131	131	10	282	292	—
Oregon	—	58	58	—	2,019	2,019	—
Washington	—	369	369	99	3,743	3,842	—
U.S. Total	50	16,140	16,190	44,876	149,754	194,630	1,679

See footnotes at end of table.

Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, April 2020
 (Thousand Barrels) — Continued

Commodity	Distillate Fuel Oil ¹				Residual Fuel Oil	Propane
	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	Greater than 500 ppm	Total		
PAD District 1	34,259	1,395	2,161	37,815	8,526	3,188
Connecticut	3,452	—	—	3,452	17	—
Delaware	438	158	69	665	631	10
District of Columbia	—	—	—	—	—	—
Florida	2,813	187	—	3,000	1,226	137
Georgia	1,650	—	—	1,650	164	14
Maine	1,771	5	31	1,807	104	—
Maryland	2,003	—	—	2,003	579	3
Massachusetts	1,774	49	59	1,882	180	—
New Hampshire	474	—	—	474	28	151
New Jersey	8,260	448	1,436	10,144	3,604	32
New York	3,613	26	111	3,750	1,399	213
North Carolina	1,322	—	2	1,324	—	247
Pennsylvania	3,061	56	233	3,350	453	1,673
Rhode Island	898	62	—	960	—	—
South Carolina	960	—	—	960	78	601
Vermont	77	—	—	77	—	—
Virginia	1,526	386	220	2,132	63	2
West Virginia	167	18	—	185	—	75
PAD District 2	22,995	181	402	23,578	1,155	8,312
Illinois	3,040	—	—	3,040	341	452
Indiana	3,914	—	118	4,032	74	146
Iowa	1,668	1	—	1,669	4	269
Kansas	1,942	—	—	1,942	18	4,843
Kentucky	778	14	—	792	—	142
Michigan	1,547	—	—	1,547	287	1,571
Minnesota	1,924	—	19	1,943	163	152
Missouri	736	63	4	803	1	64
Nebraska	626	—	—	626	—	240
North Dakota	1,035	1	—	1,036	19	42
Ohio	1,566	—	40	1,606	106	252
Oklahoma	1,464	94	108	1,666	48	88
South Dakota	618	—	—	618	—	11
Tennessee	982	—	—	982	82	1
Wisconsin	1,155	8	113	1,276	12	39
PAD District 3	28,385	1,710	4,710	34,805	21,454	37,326
Alabama	1,189	105	36	1,330	701	16
Arkansas	946	—	—	946	—	33
Louisiana	5,048	1,011	1,175	7,234	11,848	2,161
Mississippi	1,122	254	132	1,508	182	1,827
New Mexico	401	—	—	401	65	2
Texas	19,679	340	3,367	23,386	8,658	33,287
PAD District 4	3,035	152	68	3,255	201	501
Colorado	483	—	—	483	3	12
Idaho	334	—	—	334	—	—
Montana	947	80	—	1,027	55	31
Utah	556	49	68	673	53	405
Wyoming	715	23	—	738	90	53
PAD District 5	11,565	257	875	12,697	5,212	864
Alaska	1,018	—	57	1,075	7	1
Arizona	642	—	—	642	—	302
California	5,827	257	492	6,576	3,796	141
Hawaii	390	—	323	713	426	95
Nevada	320	—	3	323	—	—
Oregon	1,113	—	—	1,113	179	—
Washington	2,255	—	—	2,255	804	325
U.S. Total	100,239	3,695	8,216	112,150	36,548	50,191

— = No Data Reported.

¹ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Note: Stocks are reported as of the last day of the month.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail¹ Between PAD Districts, April 2020
 (Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
Crude Oil	326	33	0	3,962	51,485	6,606	4,719	1,284	21,570
Petroleum Products	12,520	347	0	16,134	33,140	7,295	2,705	81,619	14,380
Natural Gas Liquids	6,201	153	0	6,527	23,561	5,599	596	1,444	5,205
Ethane	4,543	0	—	0	8,055	615	—	0	560
Propane	882	70	0	4,394	8,460	2,668	208	1,444	1,029
Normal Butane	252	28	0	2,047	3,679	1,164	134	0	199
Isobutane	289	55	0	86	1,141	421	254	0	260
Natural Gasoline	235	0	—	0	2,226	731	—	0	3,157
Refinery Olefins	0	0	—	338	348	—	—	0	0
Ethylene	—	—	—	—	—	—	—	—	—
Propylene	0	0	—	338	348	—	—	0	0
Normal Butylene	—	—	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—	—	—
Unfinished Oils	46	97	—	0	604	—	—	894	103
Motor Gasoline Blending Components	3,749	0	0	592	2,024	522	0	37,745	3,470
Reformulated - RBOB	0	0	0	0	291	—	0	5,393	795
Conventional	3,749	0	0	592	1,733	522	0	32,352	2,675
CBOB	3,749	0	0	592	1,191	522	0	32,352	1,741
GTAB	—	—	—	—	—	—	—	—	—
Other	0	0	—	—	542	—	—	—	934
Renewable Fuels	0	0	0	6,133	3,700	497	2,069	130	0
Fuel Ethanol	0	0	0	5,932	3,366	497	1,828	130	0
Renewable Diesel Fuel ²	0	0	0	201	333	—	241	0	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	62	0	0	627	172	141	0	1,898	377
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	62	0	0	627	172	141	0	1,898	377
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	62	0	0	627	172	141	0	1,898	377
Finished Aviation Gasoline	0	0	—	0	0	—	—	89	29
Kerosene-Type Jet Fuel	67	0	0	47	0	0	0	5,345	1,212
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	2,364	0	0	1,059	805	536	0	33,002	3,597
15 ppm sulfur and under	2,364	0	0	1,038	805	536	0	32,016	3,459
Greater than 15 ppm to 500 ppm sulfur	0	0	—	21	0	—	—	0	92
Greater than 500 ppm sulfur	0	0	—	0	0	—	—	986	46
Residual Fuel Oil	0	97	—	0	860	—	—	435	45
Petrochemical Feedstocks	0	0	—	—	23	—	—	—	0
Naphtha for Petrochemical Feedstock Use	0	0	—	—	23	—	—	—	0
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—	—	—	—
Special Naphthas	0	0	—	—	0	—	—	—	33
Lubricants	0	0	—	0	0	—	—	282	164
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	0	0	400	732	0	0	0	0
Asphalt and Road Oil	31	0	0	362	312	0	40	355	142
Miscellaneous Products	0	0	—	49	0	—	—	0	3
Total	12,846	380	0	20,096	84,626	13,901	7,424	82,903	35,950

See footnotes at end of table.

Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail¹ Between PAD Districts, April 2020
 (Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to		
	4	5	1	2	3	5	1	3	4
Crude Oil	0	0	0	25,169	565	0	0	0	0
Petroleum Products	0	3,320	0	12,585	2,481	2,041	0	154	25
Natural Gas Liquids	0	89	0	11,873	2,331	242	0	0	0
Ethane	0	—	0	2,128	276	—	0	0	0
Propane	0	0	0	4,992	894	35	0	0	0
Normal Butane	0	64	0	2,150	343	207	0	0	0
Isobutane	0	25	0	937	293	0	0	0	0
Natural Gasoline	0	—	0	1,666	525	—	0	0	0
Refinery Olefins	—	—	0	0	0	—	0	0	—
Ethylene	—	—	—	—	—	—	—	—	—
Propylene	—	—	0	0	0	—	0	0	—
Normal Butylene	—	—	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—	—	—
Unfinished Oils	—	—	0	0	0	—	0	0	—
Motor Gasoline Blending Components	0	2,284	0	25	0	615	0	0	0
Reformulated - RBOB	—	1,544	0	0	0	0	0	0	—
Conventional	0	740	0	25	0	615	0	0	0
CBOB	0	740	0	25	0	615	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	—	—	—	0	0	—	—	0	—
Renewable Fuels	0	437	0	0	0	0	0	0	0
Fuel Ethanol	0	241	0	0	0	0	0	0	0
Renewable Diesel Fuel ²	—	195	0	0	0	0	0	0	—
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	0	0	0	349	0	433	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	0	0	0	349	0	433	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	0	0	0	349	0	433	0	0	0
Finished Aviation Gasoline	—	—	0	0	0	—	0	0	—
Kerosene-Type Jet Fuel	0	87	0	0	0	20	0	129	0
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	0	384	0	260	0	410	0	0	0
15 ppm sulfur and under	0	384	0	260	0	410	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	0	0	0	—	0	0	—
Greater than 500 ppm sulfur	—	—	0	0	0	—	0	0	—
Residual Fuel Oil	—	—	0	0	0	—	0	0	—
Petrochemical Feedstocks	—	—	—	0	0	—	0	0	—
Naphtha for Petrochemical Feedstock Use	—	—	—	0	0	—	0	0	—
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—	—	—	—
Special Naphthas	—	—	—	0	0	—	—	0	—
Lubricants	—	—	0	0	0	—	0	0	—
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	0	0	34	191	0	25	25	—
Asphalt and Road Oil	0	40	0	78	116	131	0	0	0
Miscellaneous Products	—	—	0	0	0	—	0	0	—
Total	0	3,320	0	37,754	3,047	2,041	0	154	25

— = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, April 2020
 (Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	167	33	243	50,143	6,606	122	21,570	0	-
Petroleum Products	12,118	0	7,356	25,019	6,798	64,526	12,155	0	2,755
Natural Gas Liquids	5,952	0	5,489	22,798	5,599	1,373	5,143	0	-
Ethane	4,543	0	0	8,055	615	0	560	0	-
Propane	810	0	3,758	8,069	2,668	1,373	1,026	0	-
Normal Butane	104	0	1,731	3,503	1,164	0	197	0	-
Isobutane	260	0	0	945	421	0	203	0	-
Natural Gasoline	235	0	0	2,226	731	0	3,157	0	-
Motor Gasoline Blending Components	3,696	0	432	1,299	522	29,770	2,635	0	2,284
Reformulated - RBOB	0	0	0	291	-	5,393	795	-	1,544
Conventional	3,696	0	432	1,008	522	24,377	1,840	0	740
CBOB	3,696	0	432	1,008	522	24,377	1,741	0	740
GTAB	-	-	-	-	-	-	-	-	-
Other	0	0	-	0	-	-	99	-	-
Renewable Fuels	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel ¹	-	-	-	-	-	-	-	-	-
Other Renewable Fuels	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	62	0	598	139	141	1,050	222	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	62	0	598	139	141	1,050	222	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	62	0	598	139	141	1,050	222	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	44	0	47	0	0	4,564	772	0	87
Kerosene	-	-	-	-	-	-	-	-	-
Distillate Fuel Oil	2,364	0	741	783	536	27,769	3,383	0	384
15 ppm sulfur and under	2,364	0	720	783	536	26,783	3,291	0	384
Greater than 15 ppm to 500 ppm sulfur	0	0	21	0	-	0	92	-	-
Greater than 500 ppm sulfur	-	0	0	0	-	986	-	-	-
Residual Fuel Oil	--	--	--	--	--	--	--	--	--
Miscellaneous Products	0	-	49	-	-	0	0	-	-
Total	12,285	33	7,599	75,162	13,404	64,648	33,725	0	2,755

See footnotes at end of table.

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, April 2020
 (Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	25,169	306	—	0	0
Petroleum Products	0	12,507	2,331	1,478	0	0
Natural Gas Liquids	0	11,873	2,331	—	0	0
Ethane	0	2,128	276	—	0	0
Propane	0	4,992	894	—	0	0
Normal Butane	0	2,150	343	—	0	0
Isobutane	0	937	293	—	0	0
Natural Gasoline	0	1,666	525	—	0	0
Motor Gasoline Blending Components	0	25	0	615	0	0
Reformulated - RBOB	0	0	0	0	0	—
Conventional	0	25	0	615	0	0
CBOB	0	25	0	615	0	0
GTAB	—	—	—	—	—	—
Other	—	0	0	—	0	—
Renewable Fuels	—	—	—	—	—	—
Fuel Ethanol	—	—	—	—	—	—
Renewable Diesel Fuel ¹	—	—	—	—	—	—
Other Renewable Fuels	—	—	—	—	—	—
Finished Motor Gasoline	0	349	0	433	0	0
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	349	0	433	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	349	0	433	0	0
Finished Aviation Gasoline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	0	0	20	0	0
Kerosene	—	—	—	—	—	—
Distillate Fuel Oil	0	260	0	410	0	0
15 ppm sulfur and under	0	260	0	410	0	0
Greater than 15 ppm to 500 ppm sulfur	0	0	0	—	0	—
Greater than 500 ppm sulfur	0	—	0	—	0	—
Residual Fuel Oil	—	—	—	—	—	—
Miscellaneous Products	0	0	—	—	—	—
Total	0	37,676	2,637	1,478	0	0

— = Not Applicable.

— = No Data Reported.

¹ Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report."

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, April 2020
 (Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
Crude Oil	159	0	-	263	1,196	-
Petroleum Products	122	194	0	788	3,008	0
Natural Gas Liquids	-	0	-	0	0	-
Ethane	-	-	-	-	-	-
Propane	-	0	-	0	0	-
Normal Butane	-	-	-	-	-	-
Isobutane	-	-	-	-	-	-
Natural Gasoline	-	-	-	-	-	-
Unfinished Oils	46	97	-	0	604	-
Motor Gasoline Blending Components	53	0	-	160	725	-
Reformulated - RBOB	-	-	-	-	-	-
Conventional	53	0	-	160	725	-
CBOB	53	0	-	160	183	-
GTAB	-	-	-	-	-	-
Other	0	0	-	-	542	-
Renewable Fuels	0	0	0	245	638	0
Fuel Ethanol	0	0	-	245	592	-
Renewable Diesel Fuel ¹	0	0	0	-	46	0
Other Renewable Fuels	-	-	-	-	-	-
Finished Motor Gasoline	0	0	-	29	33	-
Reformulated	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-
Conventional	0	0	-	29	33	-
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-
Conventional Other	0	0	-	29	33	-
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	23	0	0	0	0	0
Kerosene	-	-	-	-	-	-
Distillate Fuel Oil	0	0	-	318	22	-
15 ppm sulfur and under	0	0	-	318	22	-
Greater than 15 ppm to 500 ppm sulfur	-	-	-	-	-	-
Greater than 500 ppm sulfur	0	0	-	-	0	-
Residual Fuel Oil	0	97	-	0	860	-
Less than 0.31 percent sulfur	0	0	-	0	50	-
0.31 to 1.00 percent sulfur	0	97	-	0	405	-
Greater than 1.00 percent sulfur	0	0	-	-	405	-
Petrochemical Feedstocks	0	0	-	-	23	-
Naphtha for Petrochemical Feedstock Use	0	0	-	-	23	-
Other Oils for Petrochemical Feedstock Use ...	-	-	-	-	-	-
Special Naphthas	0	0	-	-	0	-
Lubricants	0	0	-	0	0	-
Waxes	-	-	-	-	-	-
Marketable Petroleum Coke	-	-	-	-	-	-
Asphalt and Road Oil	0	0	-	36	103	-
Miscellaneous Products	0	0	-	-	0	-
Total	281	194	0	1,051	4,204	0

See footnotes at end of table.

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, April 2020
 (Thousand Barrels) — Continued

Commodity	From 3 to						From 5 to		
	1	New England	Central Atlantic	Lower Atlantic	2	5	1	2	3
Crude Oil	1,162	-	1,162	-	0	-	0	0	0
Petroleum Products	16,991	242	1,742	15,007	2,143	128	0	0	129
Natural Gas Liquids	52	-	-	52	-	-	0	-	0
Ethane	-	-	-	-	-	-	-	-	-
Propane	52	-	-	52	-	-	0	-	0
Normal Butane	-	-	-	-	-	-	-	-	-
Isobutane	-	-	-	-	-	-	-	-	-
Natural Gasoline	-	-	-	-	-	-	-	-	-
Unfinished Oils	894	-	894	-	103	-	0	0	0
Motor Gasoline Blending Components	7,975	-	240	7,735	835	-	0	0	0
Reformulated - RBOB	-	-	-	-	-	-	-	-	-
Conventional	7,975	-	240	7,735	835	-	0	0	0
CBOB	7,975	-	240	7,735	0	-	0	0	0
GTAB	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	835	-	-	0	0
Renewable Fuels	130	-	-	130	0	128	0	0	0
Fuel Ethanol	130	-	-	130	0	-	0	0	0
Renewable Diesel Fuel ¹	-	-	-	-	0	128	-	0	0
Other Renewable Fuels	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	848	-	-	848	155	-	0	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	848	-	-	848	155	-	0	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	848	-	-	848	155	-	0	0	0
Finished Aviation Gasoline	89	10	15	64	29	-	0	0	0
Kerosene-Type Jet Fuel	781	-	-	781	440	0	0	0	129
Kerosene	-	-	-	-	-	-	-	-	-
Distillate Fuel Oil	5,233	232	390	4,611	214	-	0	0	0
15 ppm sulfur and under	5,233	232	390	4,611	168	-	0	0	0
Greater than 15 ppm to 500 ppm sulfur	-	-	-	-	-	-	-	-	-
Greater than 500 ppm sulfur	-	-	-	-	46	-	0	0	0
Residual Fuel Oil	435	-	-	435	45	-	0	0	0
Less than 0.31 percent sulfur	435	-	-	435	0	-	0	0	0
0.31 to 1.00 percent sulfur	0	-	-	-	0	-	0	0	0
Greater than 1.00 percent sulfur	-	-	-	-	45	-	0	0	0
Petrochemical Feedstocks	-	-	-	-	0	-	-	0	0
Naphtha for Petrochemical Feedstock Use	-	-	-	-	0	-	-	0	0
Other Oils for Petrochemical Feedstock Use	-	-	-	-	-	-	-	-	-
Special Naphthas	-	-	-	-	33	-	0	0	0
Lubricants	282	-	203	79	164	-	0	0	0
Waxes	-	-	-	-	-	-	-	-	-
Marketable Petroleum Coke	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil	272	-	-	272	122	-	0	0	0
Miscellaneous Products	-	-	-	-	3	-	0	0	0
Total	18,153	242	2,904	15,007	2,143	128	0	0	129

- = No Data Reported.

¹ Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Form EIA-817, "Monthly Tanker and Barge Movements Report."

Table 60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts, April 2020
 (Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil	0	0	0	0	3,456	146	0	4,719
Propane	72	70	0	0	636	391	0	208
Propylene	0	0	—	—	338	348	—	—
Normal Butane	148	28	0	0	316	176	0	134
Isobutane	29	55	0	0	86	196	0	254
Fuel Ethanol	0	0	0	0	5,687	2,774	497	1,828
Biodiesel	0	0	—	0	201	287	—	241
Marketable Petroleum Coke	0	0	0	0	400	732	0	0
Asphalt and Road Oil	31	0	0	0	326	209	0	40

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil	0	0	0	0	0	0	259	0
Propane	19	3	0	0	0	0	0	35
Propylene	0	0	—	—	0	0	0	—
Normal Butane	0	2	0	64	0	0	0	207
Isobutane	0	57	0	25	0	0	0	0
Fuel Ethanol	0	0	0	241	0	0	0	0
Biodiesel	0	0	—	67	0	0	0	0
Marketable Petroleum Coke	0	0	0	0	0	0	34	191
Asphalt and Road Oil	83	20	0	40	0	78	116	131

Commodity	From 5 to			
	1	2	3	4
Crude Oil	0	0	0	0
Propane	0	0	0	0
Propylene	0	0	0	—
Normal Butane	0	0	0	0
Isobutane	0	0	0	0
Fuel Ethanol	0	0	0	0
Biodiesel	0	0	0	—
Marketable Petroleum Coke	0	131	25	25
Asphalt and Road Oil	0	0	0	0

— = No Data Reported.

Source: Rail Movements are estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 61. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, April 2020
 (Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
From 1 to				
2	167	159	0	326
3	33	0	0	33
4	0	—	0	0
5	—	—	0	0
From 2 to				
1	243	263	3,456	3,962
3	50,143	1,196	146	51,485
4	6,606	—	0	6,606
5	—	—	4,719	4,719
From 3 to				
1	122	1,162	0	1,284
2	21,570	0	0	21,570
4	0	—	0	0
5	—	—	0	0
From 4 to				
1	0	0	0	0
2	25,169	0	0	25,169
3	306	0	259	565
5	—	—	0	0
From 5 to				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	—	0	0

— = No Data Reported.

Sources: Energy Information Administration (EIA) Forms EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail¹ Between PAD Districts, April 2020
 (Thousands Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	5,246	359	4,887	47,065	66,772	-19,707	52,083	22,854	29,229
Petroleum Products	97,753	12,867	84,887	39,616	59,274	-19,659	36,123	99,319	-63,197
Natural Gas Liquids	7,971	6,354	1,617	23,279	36,283	-13,004	26,045	6,738	19,307
Ethane	0	4,543	-4,543	7,231	8,670	-1,439	8,331	560	7,771
Propane	5,838	952	4,886	6,903	15,730	-8,827	9,424	2,473	6,951
Normal Butane	2,047	280	1,767	2,601	7,024	-4,423	4,050	263	3,787
Isobutane	86	344	-258	1,486	1,902	-416	1,489	285	1,204
Natural Gasoline	0	235	-235	5,058	2,957	2,101	2,751	3,157	-406
Refinery Olefins	338	0	338	0	686	-686	348	0	348
Ethylene	0	0	—	—	—	—	0	0	—
Propylene	338	0	338	0	686	-686	348	0	348
Normal Butylene	0	0	—	0	0	—	0	0	—
Isobutylene	0	0	—	0	0	—	0	0	—
Unfinished Oils	894	143	751	149	604	-455	701	997	-296
Motor Gasoline Blending Components	38,337	3,749	34,588	7,244	3,138	4,106	2,024	43,499	-41,475
Reformulated - RBOB	5,393	0	5,393	795	291	504	291	7,732	-7,441
Conventional	32,944	3,749	29,195	6,449	2,847	3,602	1,733	35,767	-34,034
CBOB	32,944	3,749	29,195	5,515	2,305	3,210	1,191	34,833	-33,642
GTAB	0	0	—	—	—	—	0	0	—
Other	0	0	—	934	542	392	542	934	-392
Renewable Fuels	6,263	0	6,263	0	12,399	-12,399	3,700	567	3,133
Fuel Ethanol	6,062	0	6,062	0	11,624	-11,624	3,366	371	2,995
Renewable Diesel Fuel ²	201	0	201	0	775	-775	333	195	138
Other Renewable Fuels	—	—	—	—	—	—	0	0	—
Finished Motor Gasoline	2,525	62	2,463	788	940	-152	172	2,275	-2,103
Reformulated	0	0	—	0	0	—	0	0	—
Reformulated Blended with Fuel Ethanol	0	0	—	0	0	—	0	0	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	2,525	62	2,463	788	940	-152	172	2,275	-2,103
Conventional Blended with Fuel Ethanol	0	0	—	0	0	—	0	0	—
Ed55 and Lower	0	0	—	0	0	—	0	0	—
Greater than Ed55	0	0	—	0	0	—	0	0	—
Conventional Other	2,525	62	2,463	788	940	-152	172	2,275	-2,103
Finished Aviation Gasoline	89	0	89	29	0	29	0	118	-118
Kerosene-Type Jet Fuel	5,392	67	5,325	1,279	47	1,232	129	6,644	-6,515
Kerosene	0	0	—	0	0	—	0	0	—
Distillate Fuel Oil	34,061	2,364	31,697	6,221	2,400	3,821	805	36,983	-36,178
15 ppm sulfur and under	33,054	2,364	30,690	6,083	2,379	3,704	805	35,859	-35,054
Greater than 15 ppm to 500 ppm sulfur	21	0	21	92	21	71	0	92	-92
Greater than 500 ppm sulfur	986	0	986	46	0	46	0	1,032	-1,032
Residual Fuel Oil	435	97	338	45	860	-815	957	480	477
Petrochemical Feedstocks	0	0	—	0	23	-23	23	0	23
Naphtha for Petrochemical Feedstock Use	0	0	—	0	23	-23	23	0	23
Other Oils for Petrochemical Feedstock Use ...	0	0	—	0	0	—	0	0	—
Special Naphthas	0	0	—	33	0	33	0	33	-33
Lubricants	282	0	282	164	0	164	0	446	-446
Waxes	0	0	—	0	0	—	0	0	—
Marketable Petroleum Coke	400	0	400	131	1,132	-1,001	791	0	791
Asphalt and Road Oil	717	31	687	251	714	-463	428	537	-109
Miscellaneous Products	49	0	49	3	49	-46	0	3	-3
Total	103,000	13,226	89,774	86,681	126,047	-39,366	88,206	122,173	-33,967

See footnotes at end of table.

Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail¹ Between PAD Districts, April 2020
 (Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	6,606	25,734	-19,128	4,719	0	4,719
Petroleum Products	7,319	17,108	-9,788	8,066	309	7,757
Natural Gas Liquids	5,599	14,446	-8,847	927	0	927
Ethane	615	2,404	-1,789	0	0	—
Propane	2,668	5,921	-3,253	243	0	243
Normal Butane	1,164	2,700	-1,536	405	0	405
Isobutane	421	1,230	-809	279	0	279
Natural Gasoline	731	2,191	-1,460	0	0	—
Refinery Olefins	0	0	—	0	0	—
Ethylene	—	—	—	—	—	—
Propylene	0	0	—	0	0	—
Normal Butylene	0	0	—	0	0	—
Isobutylene	0	0	—	0	0	—
Unfinished Oils	0	0	—	0	0	—
Motor Gasoline Blending Components	522	640	-118	2,899	0	2,899
Reformulated - RBOB	—	—	—	1,544	0	1,544
Conventional	522	640	-118	1,355	0	1,355
CBOB	522	640	-118	1,355	0	1,355
GTAB	—	—	—	—	—	—
Other	0	0	—	0	0	—
Renewable Fuels	497	0	497	2,506	0	2,506
Fuel Ethanol	497	0	497	2,070	0	2,070
Renewable Diesel Fuel ²	0	0	—	436	0	436
Other Renewable Fuels	—	—	—	0	0	—
Finished Motor Gasoline	141	782	-641	433	0	433
Reformulated	—	—	—	0	0	—
Reformulated Blended with Fuel Ethanol	—	—	—	0	0	—
Reformulated Other	—	—	—	—	—	—
Conventional	141	782	-641	433	0	433
Conventional Blended with Fuel Ethanol	0	0	—	0	0	—
Ed55 and Lower	0	0	—	0	0	—
Greater than Ed55	0	0	—	0	0	—
Conventional Other	141	782	-641	433	0	433
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	0	20	-20	107	129	-22
Kerosene	0	0	—	0	0	—
Distillate Fuel Oil	536	670	-134	794	0	794
15 ppm sulfur and under	536	670	-134	794	0	794
Greater than 15 ppm to 500 ppm sulfur	0	0	—	0	0	—
Greater than 500 ppm sulfur	0	0	—	0	0	—
Residual Fuel Oil	0	0	—	0	0	—
Petrochemical Feedstocks	—	—	—	0	0	—
Naphtha for Petrochemical Feedstock Use	—	—	—	0	0	—
Other Oils for Petrochemical Feedstock Use ...	—	—	—	—	—	—
Special Naphthas	—	—	—	0	0	—
Lubricants	0	0	—	0	0	—
Waxes	0	0	—	0	0	—
Marketable Petroleum Coke	25	225	-200	191	180	11
Asphalt and Road Oil	0	325	-325	210	0	210
Miscellaneous Products	0	0	—	0	0	—
Total	13,925	42,842	-28,917	12,785	309	12,477

— = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Appendix A

District Descriptions and Maps

The following are the Refining Districts which make up the Petroleum Administration for Defense (PAD) Districts.

PAD District I

East Coast: The District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

Appalachian No. 1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

Sub-PAD District I

New England: The States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Central Atlantic: The District of Columbia and the States of Delaware, Maryland, New Jersey, New York, and Pennsylvania.

Lower Atlantic: The States of Florida, Georgia, North Carolina, South Carolina, Virginia and West Virginia.

PAD District II

Indiana-Illinois-Kentucky: The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

Minnesota-Wisconsin-North and South Dakota: The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

Oklahoma-Kansas-Missouri: The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Gulf Coast District.

Texas Gulf Coast: The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louisiana Gulf Coast: The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

North Louisiana-Arkansas: The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

New Mexico: The State of New Mexico.

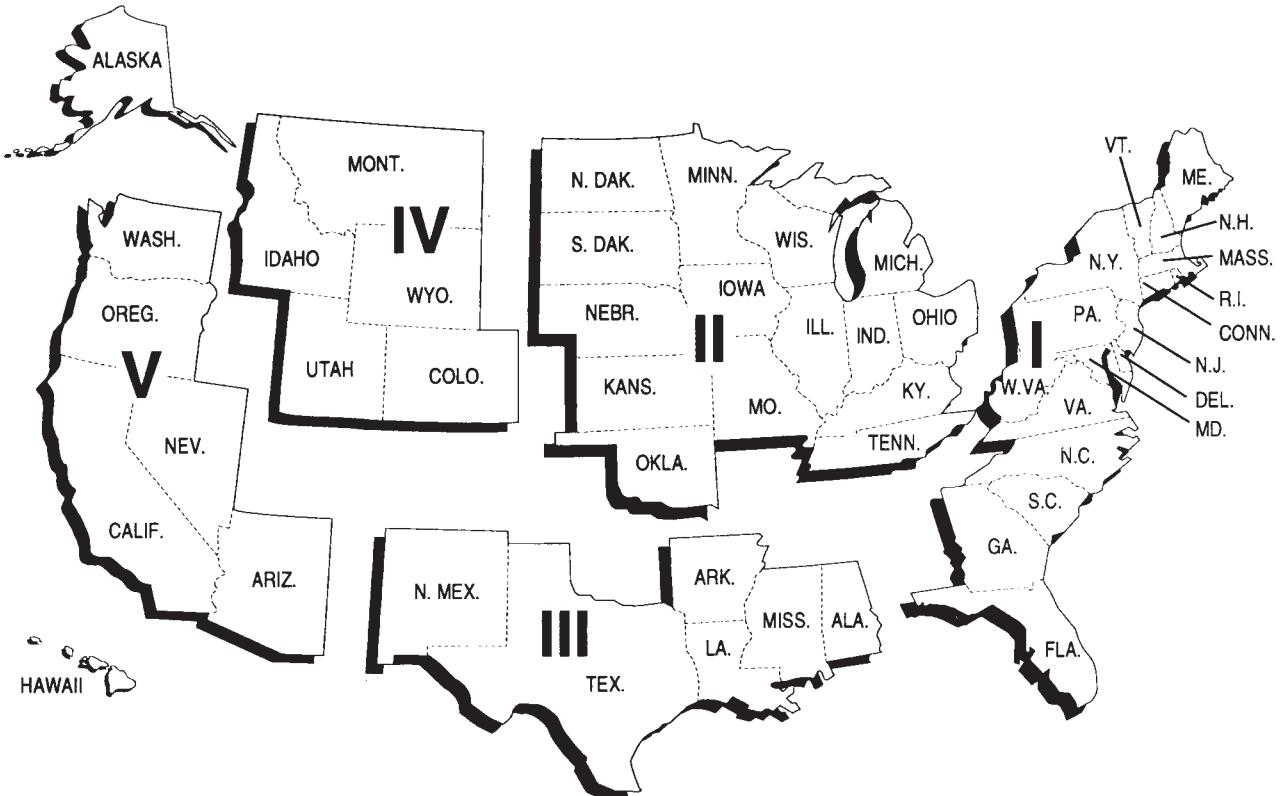
PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Utah, and Colorado.

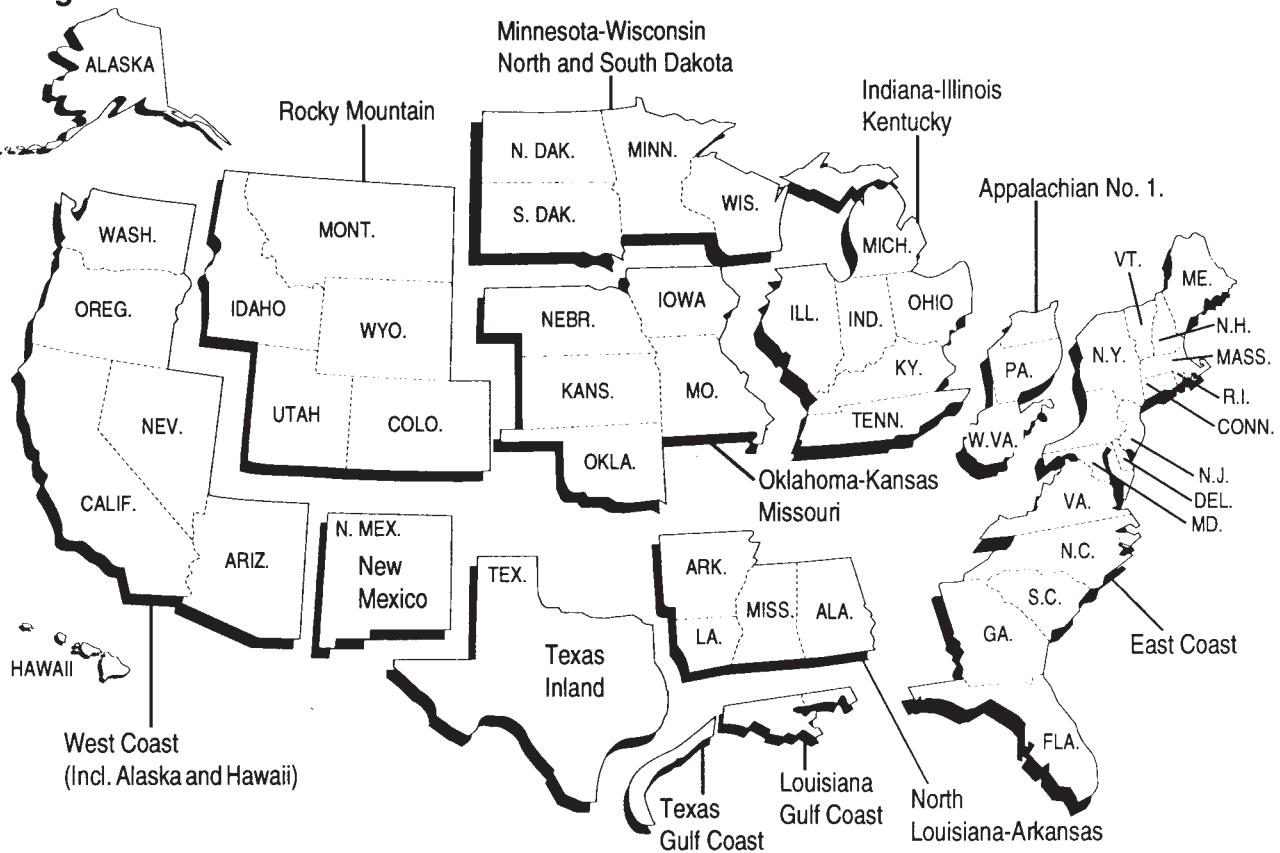
PAD District V

West Coast: The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

Petroleum Administration for Defense (PAD) Districts



Refining Districts



Appendix B
PSM Explanatory Notes

Preface

The *Petroleum Supply Monthly (PSM)* is the monthly component of a series of three publications concerning the supply and disposition of crude oil and petroleum products produced by the Petroleum Division of the Energy Information Administration (EIA). The other two components are the *Weekly Petroleum Status Report (WPSR)* and the *Petroleum Supply Annual (PSA)*. Together these publications present a comprehensive snapshot of petroleum supply data on a weekly, monthly and yearly basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply: petroleum refiners, motor gasoline blenders, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of petroleum products and crude oil. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

The PSM tables present statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District level, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources.

Final statistics for the data series published in the *PSM* are published in the *PSA*. The *PSA* is published approximately five months after the end of the report year.

Appendix B. Explanatory Notes

1. Overview

A. The Energy Information Administration's Quality Guidelines

The data contained in the *Petroleum Supply Monthly (PSM)* are subject to separate information quality guidelines issued by the Office of Management and Budget (OMB), the Department of Energy (DOE), and Energy Information Administration (EIA). With available resources, EIA continually works to improve its systems in order to provide high quality information needed by public and private policymakers and decision makers. EIA has performance standards to ensure the quality (i.e., objectivity, utility, and integrity) of information it disseminates to the public. Quality is ensured and maximized at levels appropriate to the nature and timeliness of the disseminated information.

B. Concepts of Product Supply and Demand

Petroleum supply estimates contained in the PSM are often interpreted as an approximation of petroleum demand measured as product supplied. Product supplied is often called “implied” demand because it is a measure of demand that is implied by disappearance of petroleum products from facilities and activities in the “primary” supply chain. Facilities and activities in the primary supply chain include refineries and blending terminals, gas processing plants and fractionators, oxygenate producers, biodiesel producers, imports, exports, bulk storage terminals, and pipelines. Total product supplied in the PSM at the U.S. level is equal to the sum of field production, plus refinery and blender net production, plus renewable fuels, and oxygenate plant net production, plus imports, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports. Net receipts are added as a component of supply at the PAD District level. Crude oil product supplied is normally zero because crude oil is processed in refineries and rarely, if ever, used directly.

The secondary system is that portion of the overall distribution network that falls between producers and end-users. Product typically flows in bulk from the primary supply system into the secondary system before delivery in small quantities to consumers (the tertiary system). The secondary system includes storage at bulk plants; at retail motor fuel outlets, such as service stations, truck stops, and convenience stores; and at retail fuel oil dealers. Bulk plants are wholesale storage facilities that have less than 50,000 barrels of storage capacity and, by definition, receive product only by tank car or truck, not by barge, tanker, or pipeline. Tertiary inventories are held by end users and include fuel in vehicle tanks, heating oil in residential tanks, fuel oil held by utilities, jet fuel stored in facilities operated by end users, and certain proprietary storage of raw materials (e.g. propane) for the chemical industry.

Data users sometimes consider demand as sales to the ultimate consumer or as the actual consumption of the product. Since there may be time delays between the movement of product into the primary market and its ultimate purchase or consumption, these definitions of demand require data on changes in secondary and/or tertiary stocks or the assumption that these values either remain constant or are small

compared to primary supply. The most recent study of secondary stocks was done by the National Petroleum Council in 1989. This study revealed that secondary distillate stocks were equal to about 6.9 percent of distillate stocks and 6.7 percent of distillate storage capacity.

C. Components of Supply and Disposition

The detailed statistics tables in the PSM provide complete supply and disposition information for the current month and year to date. The tables are organized to locate National and Petroleum Administration for Defense (PAD) District supply and disposition data at the front followed by tables that contain detailed information on supply and disposition. These include tables on crude oil and petroleum product production, import/export data, stocks information, and lastly, data on crude oil and petroleum product movements. To assist in the interpretation of these tables, the following discussion of supply, disposition, and ending stocks as shown in Tables 1–25 is provided. The categories and products are defined in the EIA Glossary.

(1.) Supply

- a. Field Production - Total Field Production is the sum of crude oil production and natural gas plant liquids and liquefied refinery gases production.

Crude oil production is an estimate based on data received from State conservation agencies and the Mineral Management Service of the U.S. Department of the Interior. Refer to “Domestic Crude Oil Production” in Section 2C (1) for further details.

Field production of natural gas plant liquids is reported on Form EIA-816 and published on a net basis (i.e., production minus inputs).

- b. Renewable Fuels and Oxygenate Plant Net Production - Renewable Fuels and Oxygenate Plant Net Production are reported on Forms EIA-819 and EIA-22M. Production includes oxygenates (fuel ethanol, ETBE, MTBE, and other oxygenates) plus negative production of pentanes plus, finished motor gasoline, and motor gasoline blending components added to fuel ethanol as denaturants as well as biodiesel. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reported as input during the same month.

- c. Refinery and Blender Net Production – Refinery and Blender Net Production is reported on Form EIA-810 and EIA-815. Refinery and Blender Net Production equals refinery and blenders production minus refinery and blender net inputs. Negative production of finished petroleum products will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the

same month.

d. Imports - Imports include receipts of goods into the 50 States and the District of Columbia from U.S. possessions and territories or from foreign countries.

e. Net Receipts – Net Receipts data are included in tables containing PAD District-level data to account for inter-PAD District movements of crude oil and petroleum products. Net receipts for a PAD District are calculated by subtracting shipments out of the PAD District from receipts into the PAD District. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge, and Rail between PAD Districts are shown in Table 60.

f. Adjustments – This column includes adjustment quantities for crude oil, fuel ethanol, motor gasoline blending components, biodiesel (included in “Renewable Fuels Except Fuel Ethanol”) and distillate fuel oil. Adjustment quantities are derived either to balance supply and disposition for selected products or to reclassify one product to another product. Product supplied is the balancing item for most products and is interpreted as an implied measure of petroleum demand. Adjustments are used in cases where it does not make sense to interpret the balancing item as demand. Reclassifications reported in the adjustments column may be implied by the supply and disposition balance or reported on surveys. Recall that supply at the U.S. level is equal to the sum of field production, renewable fuels and oxygenate plant net production, refinery and blender net production, imports, and adjustments. Disposition at the U.S. level is equal to the sum of stock change, refinery and blender net inputs, exports, and products supplied. At the PAD District level, supply components include net receipts equal to gross receipts from other PAD Districts minus gross shipments to other PAD Districts. In every case, supply must equal disposition. Applicable components of supply and disposition vary depending on the product or product group. Unless otherwise noted in Section 2C, adjustment calculations that balance supply and disposition equal disposition minus supply for the U.S. and for each PAD District.

(2.) Disposition

a. Stock Change – Stock Change is calculated as the difference between the current month Ending Stocks column and the Ending Stocks column in the prior month’s publication. A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

b. Refinery and Blender Net Inputs – Refinery and Blender Net Inputs are inputs of crude oil and intermediate materials (unfinished oils, motor and aviation gasoline blending components, liquefied petroleum gases, pentanes plus, hydrogen, oxygenates, renewable fuels, and other hydrocarbons) that are processed at refineries or blended at terminals to produce finished petroleum products.

Crude oil input represents total crude oil (domestic and foreign) input to atmospheric crude oil distillation units and other refinery processing units (e.g. vacuum distillation units).

Inputs of natural gas plant liquids are refinery input of natural gas liquids received from natural gas plants for blending and processing. Published inputs of natural gas plant liquids are reported on a gross basis.

Inputs of unfinished oils, motor gasoline blending components, and aviation gasoline blending components are published on a net basis (i.e., refinery input minus refinery production). Negative inputs of unfinished oils and motor and aviation gasoline blending components will occur when the amount of a product produced during the month is greater than the amount of that same product that is input or reclassified to become another product during the same month.

c. Exports - Exports include shipments from the 50 States and the District of Columbia to Puerto Rico, the Virgin Islands, other U.S. possessions and territories and to foreign countries.

d. Products Supplied - Products supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, (plus net receipts on a PAD District basis), plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Product supplied value indicates those quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of the product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of inter-PAD movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production not having been reported, e.g., streams returned to refineries from petrochemical plants.

Beginning with data for January 2010, product supplied for crude oil is assumed equal to zero. Prior to January 1983, crude oil burned on leases and by pipelines as fuel was reported as either distillate or residual fuel oil and was included in product supplied for these products. From January 1983 through December 2009, crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report.” Reporting of crude oil used directly was discontinued on Form EIA-813 after December 2009.

(3.) Ending Stocks

Ending stocks are primary stocks of crude oil and petroleum products held in storage as of 12 midnight on the last day of the month. Primary stocks include crude oil or petroleum products held in storage at refineries, natural gas processing plants, pipelines, tank farms, and bulk terminals.

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage. Primary stocks of petroleum products also exclude secondary stocks held by dealers and jobbers and tertiary stocks held by consumers. Product stocks held as reserves by federal and state agencies are excluded from primary stock quantities reported by EIA, but quantities held in selected government reserves are provided in Appendix D.

Primary stocks of crude oil included barrels held on producing sites (lease stocks) until June 2016. Primary stocks of crude oil excluded lease stocks beginning with release of PSM data for July 2016 on September 30, 2016. Historical crude oil stocks in Petroleum Navigator were revised beginning with data for January 2005 to exclude lease stocks. Petroleum Navigator data may be accessed from the following locations on the EIA web site.

http://www.eia.gov/dnav/pet/pet_sum_snd_d_nus_mbbl_m.cur.htm

http://www.eia.gov/dnav/pet/pet_sum_crdsnd_k_m.htm

http://www.eia.gov/dnav/pet/pet_stoc_typ_c_nus_EPC0_mbbl_m.htm

2. Components - Forms Discussions

The data presented in the PSM include data collected by the EIA on nine monthly petroleum supply surveys, export data obtained from the U. S. Bureau of the Census, and crude production data obtained from State conservation agencies and the Minerals Management Service of the U. S. Department of Interior.

A. Petroleum Supply Reporting System

The nine monthly petroleum supply surveys are part of the Petroleum Supply Reporting System (PSRS). The PSRS tracks the supply and disposition of crude oil, petroleum products, and natural gas liquids in the United States. The PSRS is organized into two data collection subsystems: the Weekly Petroleum Supply Reporting System (WPSRS) and the Monthly Petroleum Supply Reporting System (MPSRS). The WPSRS processes the data from the seven weekly surveys. The MPSRS includes nine monthly surveys and one annual survey. The survey forms that comprise the PSRS are:

1. EIA-800, “Weekly Refinery Report,”
2. EIA-802, “Weekly Product Pipeline Report,”
3. EIA-803, “Weekly Crude Oil Stocks Report,”
4. EIA-804, “Weekly Imports Report,”
5. EIA-805, “Weekly Terminal Blender Report,”
6. EIA-809, “Weekly Oxygenate Report,”
8. EIA-22M, “Monthly Biodiesel Production Survey,”
9. EIA-810, “Monthly Refinery Report,”
10. EIA-812, “Monthly Product Pipeline Report,”
11. EIA-813, “Monthly Crude Oil Report,”
12. EIA-814, “Monthly Imports Report,”
13. EIA-815, “Monthly Terminal Blender Report.”
14. EIA-816, “Monthly Natural Gas Liquids Report”
15. EIA-817, “Monthly Tanker and Barge Movement Report”
16. EIA-819, “Monthly Oxygenate Report”

17. EIA-820, “Annual Refinery Report.”

Both weekly and monthly surveys are administered at six key points along the petroleum production and supply chain including refineries, fractionators, natural gas processing plants, bulk product storage and blending terminals, crude oil and product pipelines, crude oil stock holders, importers, and renewable fuel (biodiesel and fuel ethanol) and oxygenate producing plants. Monthly surveys also include inter-PAD District movements by pipelines, tankers, and barges. Weekly surveys do not capture petroleum movements. Respondents reporting on weekly surveys are sampled from among the respondents reporting on monthly surveys.

Annual U.S. refinery capacity data are collected on the Form EIA-820, “Annual Refinery Report.” The EIA-820 data are published in the annual “Refinery Capacity Report.”

B. Monthly Supply Survey Description and Methodology

(1.) Description of Surveys Forms

Copies of the survey forms and instructions can be found at: http://www.eia.doe.gov/oil_gas/petroleum/survey_forms/pet_survey_forms.html

The Form EIA-22M “Monthly Biodiesel Production Survey” collects data on biodiesel plant location, operating status, annual production capacity, monthly biodiesel and co-product production, stocks, input of feedstocks, alcohol, and catalysts, and biodiesel sales.

The Form EIA-810, “Monthly Refinery Report,” collects data on refinery input and capacity, sulfur content and API gravity of crude oil, and data on supply (beginning stocks, receipts, and production) and disposition (inputs, shipments, fuel use and losses, and ending stocks) of crude oil and refined products. Working and shell storage capacity for selected products is collected on a semi-annual basis.

The Form EIA-812, “Monthly Product Pipeline Report,” collects data on end-of-month stocks and movements of petroleum products transported by pipeline. Intermediate movements for pipeline systems operating in more than two PAD Districts are included. Product pipeline tank storage capacity for selected products is collected on a semi-annual basis.

The Form EIA-813, “Monthly Crude Oil Report,” collects data on end-of-month stock levels of crude oil held at pipeline and tank farms (associated with the pipelines) and terminals operated by the reporting company. Also, crude oil consumed by pipelines and on leases as pump fuel, boiler fuel, etc., is reported. Data are reported on a PAD District basis. Total Alaskan crude oil stocks in-transit by water (including stocks held at transshipment terminals between Alaska and the continental United States) to the 50 States, the District of Columbia, Puerto Rico, and the Virgin Islands are also reported by the transporting company having custody of the stocks. Inter-PAD District movements of crude oil by pipeline are collected by the shipping and receiving PAD District. Intermediate movements for pipeline systems operating in more than two PAD Districts

are not included. Crude oil storage capacity of tank farms is collected on a semi-annual basis.

The Form EIA-814, “Monthly Imports Report,” collects data on imports of crude oil and petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands, and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), and (3) from Puerto Rico, the Virgin Islands, and other U.S. possessions into the 50 States and the District of Columbia. Imports into Foreign Trade Zones located in the 50 States and the District of Columbia are considered imports into the 50 States and the District of Columbia. The type of commodity, port of entry, country of origin, quantity (thousand barrels), sulfur percent by weight, API gravity, and name and location of the processing or storage facility are reported. Sulfur percent by weight is requested for crude oil, crude oil burned as fuel, and residual fuel oil only. API gravity is requested for crude oil only. The name and location of the processing or storage facility is requested for crude oil, unfinished oils, and gasoline blending components only.

The Form EIA-815, “Monthly Terminal Blender Report,” collects data on the operations of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and fuel use and losses during the month are collected from operators of terminals. Working and shell storage capacity is collected on a semi-annual basis.

The Form EIA-816, “Monthly Natural Gas Liquids Report,” collects data on the operations of natural gas processing plants and fractionators. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and plant fuel use and losses during the month are collected from operators of natural gas processing plants. End-of-month stocks are collected from fractionators.

The Form EIA-817, “Monthly Tanker and Barge Movement Report,” collects data on the movements of crude oil and petroleum products between PAD Districts. Data are reported by shipping and receiving PAD District and sub-PAD District. Shipments to and from the Panama Canal are also included if the shipment was delivered to the Canal.

The Form EIA-819, “Monthly Oxygenate Report” collects facility-level data on oxygenate inputs, production, gasoline blending at ethanol plants, and end-of-month stocks. Data on end-of-month stocks are reported on a custody basis regardless of ownership. Fuel ethanol storage capacity is collected on a semi-annual basis.

(2.) Frame

EIA maintains complete lists of respondents to its monthly surveys. Each survey has a list of companies and facilities required to submit petroleum activity data. This list is known as the survey frame. Frame maintenance procedures are used to monitor the status of petroleum companies and facilities

currently contained in each survey frame as well as to identify new members to be added to the frame. As a result, all known petroleum supply organizations falling within the definition of “Who Must Submit” participate in the survey.

The activities for frames maintenance are conducted on an ongoing basis. Monthly frames maintenance procedures focus on examining industry periodicals that report changes in status (births, deaths, sales, mergers, and acquisitions) of petroleum facilities producing, transporting, importing, and/or storing crude oil and petroleum products. Augmenting these sources are articles in newspapers, notices from respondents, and information received from survey systems operated by other offices. Survey managers review these sources regularly to monitor changes in company operations and to develop lists of potential respondents. These activities assure coverage of the reporting universe and maintain accurate facility information on addresses and ownership.

Respondents to Form EIA-22M “Monthly Biodiesel Production Survey” include operators of plants that produce biodiesel meeting ASTM D 6751-07B specifications and used for commercial purposes.

Respondents to Form EIA-810, “Monthly Refinery Report” include operators of all operating and idle petroleum refineries located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam and other U.S. possessions.

Respondents to Form EIA-812, “Monthly Product Pipeline Report” include all product pipeline companies that carry petroleum products (including interstate, intrastate, and intra-company pipelines) in the 50 States and the District of Columbia.

Respondents to Form EIA-813, “Monthly Crude Oil Report” include all companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intra-company pipelines), crude oil tank farm operators, and companies transporting Alaskan crude oil by water (to U.S. ports) in the 50 States and the District of Columbia.

Respondents to Form EIA-814, “Monthly Imports Report” include each importer of record (or Ultimate consignee in some situations regarding Canadian imports) that import crude oil or petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), (3) into Foreign Trade Zones located in the 50 States and the District of Columbia and (4) from Puerto Rico, the Virgin Islands and other U.S. possessions into the 50 States and the District of Columbia. A report is required only if there has been an import during the month unless the importer has been selected as part of a sample to report every month regardless of activity.

Respondents to Form EIA-815, “Monthly Terminal Blender Report” include operators of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands,

Guam, and other U. S. possessions must report. A bulk terminal is primarily used for storage, marketing, and often blending of petroleum products and has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included.

Respondents to Form EIA-816, "Monthly Natural Gas Liquids Report" include operators of all facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator).

Respondents to Form EIA-817, "Monthly Tanker and Barge Movement Report" include all companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense Districts and all companies that have custody of crude oil or petroleum products originating from a PAD District and transported to the Panama Canal with the intent that the crude oil or petroleum products be further transported to another PAD District.

For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company-owned tanker or barge. Also, companies that lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts are considered to have custody.

Respondents to Form EIA-819, "Monthly Oxygenate Report" include all operators of facilities that produce (manufacture or distill) oxygenates (including MTBE plants, petrochemical plants, and refineries that produce oxygenates as part of their operations located in the 50 States and the District of Columbia.)

(3.) Collection

Survey data for the MPSRS are collected by facsimile, email, Internet using secure file transfer, and electronic transmission. All respondents must submit their data by the 20th calendar day following the end of the report month. Receipt of the reports is monitored using an automated respondent mailing list. Telephone follow-up calls are made to nonrespondents prior to the publication deadline. Respondents who are chronically late (i.e., 3 consecutive months) are notified by EIA by certified letter.

(4.) Processing and Micro Editing

Upon receipt, all reported data are transformed into a standard format and sent through a log-in and prescreening process to validate respondent control information and resolve any discrepancies. The data are then processed using generalized edit and imputation procedures. Automated editing procedures check current data for consistency with past data and for internal consistency (e.g., totals equal to the sums of the parts). After the edit failures are resolved and imputation performed for nonrespondents, preliminary tables are produced and used to identify anomalies. These tables show U.S. and PAD District estimates for the current month and the prior 4 years. Anomalies

result in further review of respondent data which in turn may result in additional flagged data and imputation.

(5.) Estimation and Imputation

The nine monthly supply surveys are census surveys. As such, the estimates using these data are the sum of the edited, reported data. Imputation is performed for companies that fail to file Forms EIA-22M, 810, 812, 813, 815, 816, and 819. For these companies, previous monthly values and values reported on the weekly survey forms are used if available. Data for nonrespondents to the Forms EIA-814 and 817 are not imputed because respondent-level data for these surveys are highly variable.

Adjustments are made to aggregate data from time to time. For example, unusual industry conditions, including fuel transitions, business practice shifts, or hurricane dislocations, may generate reporting anomalies and require adjustments. Measurement error and frame deficiencies may occasionally result in inconsistencies when individual respondent data are aggregated to publication levels and require adjustment. Monthly supply data are reviewed throughout the year and some estimates may be replaced with newly available or resubmitted respondent data in the *Petroleum Supply Annual (PSA)*.

(6.) Macro Editing

Monthly data are compared to weekly data on a regular basis. Discrepancies between weekly and monthly data are documented and respondents are called when discrepancies are either large (usually over 300 thousand barrels) or consistent (e.g., weekly data are always lower than monthly data). In addition, a comparison of the data collected on the PSRS with other similar data series from sources outside of the EIA is performed on an ongoing basis. Results of selected data comparisons are published once a year in the feature article, "Comparison of Independent Statistics on Petroleum Supply." Additional comparisons are made between survey data and model results. Data reported in the Petroleum Supply Monthly and Petroleum Supply Annual are routinely imputed to correct for cases where comparison with other data suggests errors in survey data.

(7.) Dissemination

The *PSM* data are normally released within 60 days of the close of the reference month. The *PSM* is available on the web at:

<http://www.eia.gov/petroleum/supply/monthly/>

Much of the *PSM* data are available on the web product, Petroleum Navigator. Petroleum Navigator provides an interface for accessing a comprehensive set of EIA's petroleum data. Features include: downloadable spreadsheets containing complete data history, data tables which "pivot" to present different perspectives, and selection boxes to easily change the product, area, process, period, and unit of measure. Petroleum Navigator can be accessed at: <http://www.eia.gov/petroleum/data.cfm>

C. Derived Data

Due to the time constraints in publishing monthly petroleum supply statistics and the desire to reduce industry response burden, some of the statistics published in the PSM are obtained from sources other than the monthly supply surveys. These other sources include models to data and data from supplemental sources such as the Bureau of the Census.

(1.) Domestic Crude Oil Production

The interim estimate of U.S., PAD District, and state oil production for the current reference month, published in Tables 1 through 26 of the PSM, are based on:

(a.) crude oil production data from state government agencies and the Department of the Interior, Bureau of Safety and Environmental Enforcement;

(b.) crude oil production data reported on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report." For some states, EIA uses current reported data from the state (chiefly Alaska). For the states of Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and the Federal Gulf of Mexico, EIA calculates an estimate by modeling the relationship between final state-level data from DrillingInfo, a third-party vendor of well-level data collected by state agencies, and data reported on the EIA-914 survey using weighted least squares (WLS) linear regression. Additional explanation of the WLS estimation methodology is available. Estimates have to be made for crude oil production because complete and correct data from states may take from several months to over two years.

(c.) first purchase data reported on Form EIA-182 "Domestic Crude Oil First Purchase Report." For the remaining states and areas (Alabama, Arizona, Federal Pacific Offshore, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) EIA calculates an estimate by using the average lagged ratio (ALR) of the state reported data to EIA-182 data, applied to the current EIA-182 data. Additional explanation of the ALR estimation methodology is available.

State-level production estimates are published in Table 26, "Production of Crude Oil by PAD District and State." Table 26 contains estimates for crude oil production for state and federal offshore areas reported by state agencies and the Bureau of Safety and Environmental Enforcement or estimated by EIA using the ALR or WLS methods discussed above. Every month, the monthly crude oil production estimates are updated in Table 26 of the Petroleum Supply Monthly (<http://www.eia.gov/petroleum/supply/monthly/>) using reports from state agencies and the Bureau of Safety and Environmental Enforcement. The estimates are reported in the Petroleum

Navigator and the Petroleum Supply Monthly roughly 60 days after the production month.

(2.) Exports

The U.S. Bureau of the Census compiles the official U.S. export statistics. Exporters are required to file a "Shipper's Export Declaration Document" with the U.S. Census Bureau. Each month the EIA receives aggregated export statistics from the U.S. Bureau of the Census (EM-522 and EM-594). Census export statistics used in the PSM reflect both government and non-governmental exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

- Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
- Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

(3.) Movements of crude oil by railroad

The volume of crude oil, ethanol, biodiesel, propane, propylene, normal butane, and isobutane moving by railroad is calculated using several data sources including Carload Waybill Sample (CWS) data from the U.S. Surface Transportation Board (STB), data from the National Energy Board of Canada (NEB), data in EIA's Oil and Gas Supply Module (OGSM) within the National Energy Modeling system (NEMS) for data prior to 2015, the EIA-915 survey starting in January 2015, and an estimation procedure developed by EIA for months in which data these data are not available.

Once the data necessary for calculating rail movements become available, which may take as long as 60 days after the end of a calendar quarter, EIA will revise the estimates made.

Movements of crude oil, ethanol, biodiesel, propane, propylene, normal butane, and isobutane by rail are based on EIA analysis of carload data from the STB CWS. Additional data from the NEB, OGSM, and the EIA-915 are used for estimating factors for converting carloads to barrels of crude oil. Carloads of ethanol, biodiesel, propane, propylene, normal butane, and isobutane are converted to barrels using data from the CWS.

Carload data from the STB are available approximately 60 days after the end of each quarter. For example, carload data for the first quarter of each year are typically available by about June 1. Therefore, recent-month rail movements reported by EIA in the Petroleum Supply Monthly and Petroleum Navigator are modeled based on historical rail movement averages, medians, or correlations of rail movements derived from actual carload data with other regional supply data collected by EIA or other sources including field production, imports, refinery and blender inputs, movements other than rail, exports, and supply adjustments.

Estimates of rail movements are subject to revision on a monthly basis as new, more complete, and more accurate data become available. Monthly revisions will typically affect data available through Petroleum Navigator on the EIA web site for the current year and up to two prior years. To the extent that revisions are needed to data more than 2 years in the past, these revisions will be made once a year at the time when Petroleum Navigator tables are updated with final data for a year from the Petroleum Supply Annual. Petroleum Supply Monthly and Petroleum Supply Annual tables released as PDF files will not be revised.

(4.) Stocks of Crude Oil held on Producing Sites (Lease Stocks)

The adjustment for lease stocks was discontinued beginning with PSM data for July 2016 released on September 30, 2016 because EIA discontinued reporting crude oil stocks held on producing sites (lease stocks). The lease stock adjustment remains in all historical EIA lease stocks data.

This adjustment corrects for incomplete survey coverage of companies that store crude oil on leases. Up until 1983, monthly state government data on lease stocks were substituted for EIA data wherever possible in order to rectify the understatement of lease crude oil stocks. State data were available from three states - Texas, New Mexico, and Montana. To calculate the "lease adjustment," a comparison between EIA reported data and the state government data was made and the difference added to the EIA data for the respective states.

In 1983, the EIA modified the Form EIA-813 to eliminate state data on crude oil stocks and began collecting crude oil stock data by Petroleum Administration for Defense (PAD) District. With this change, the "lease adjustment" could no longer be calculated on a state basis and was changed to a PAD District level. To adjust for this incomplete coverage, 10,300 thousand barrels of crude oil are added to PAD District 3 stocks and 330 thousand barrels are added to PAD District 4 stocks.

(5.) Trans-Alaska Pipeline System (TAPS) Natural Gas Plant Liquids (NGPL Adjustment)

The TAPS-NGPL adjustment corrects for overstatement of crude oil receipts and input at refineries due to NGPL injection into Alaskan crude oil transported in TAPS. Natural gas

processing plants in Alaska produce substantial volumes of NGPL that are added to crude oil transported through TAPS. Refiners have been unable to separate the volume of NGPL from Alaskan crude oil when reporting crude oil receipts and inputs to EIA. The TAPS-NGPL adjustment subtracts Alaskan NGPL production reported by selected gas processing plant operators from crude oil receipts and inputs reported by refiners. Adjusted NGPL production is added to refinery receipts and inputs of NGPL. The adjusted NGPL barrels are allocated to PAD Districts based on the regional distribution of receipts of Alaskan crude oil. Data most affected by the TAPS-NGPL adjustment are receipts and inputs of crude oil in PAD District 5 and receipts, inputs, and product supplied of butane and pentanes plus also in PAD District 5.

NGPL injections into crude oil transported in the TAPS started in 1987. The TAPS-NGPL adjustment was first applied to revised data reported in the Petroleum Supply Annual (PSA) for 1988.

(6.) Finished Motor Gasoline Adjustment

Adjustment quantities for finished motor gasoline are the sum of motor gasoline blending components, fuel ethanol, and methyl tertiary butyl ether (MTBE) adjustments reclassified to finished motor gasoline. Finished motor gasoline adjustment quantities are assumed to reflect gasoline blending activity that was not reported on surveys.

Note on MTBE Adjustment: The MTBE portion of the gasoline adjustment described in this section was only applied to Petroleum Supply Monthly (PSM) data for 2009. The MTBE portion of the gasoline adjustment was discontinued after further examination of the issue made clear the MTBE adjustment was not helpful in forming an accurate statistical representation of U.S. and regional gasoline supplies. The MTBE adjustment was not applied to gasoline supply and disposition data in years prior to 2009, nor was it applied to revised data for 2009 published in the Petroleum Supply Annual or in years after 2009. This note only applies to MTBE adjustments. MTBE blending that was reported on EIA surveys is reflected in U.S. and regional gasoline supply and disposition data. Other adjustments to gasoline supply and disposition data to account for motor gasoline blending components and fuel ethanol remain as described in this section.

- Adjustment quantities for finished reformulated motor gasoline include adjustments for reformulated blendstock for oxygenate blending (RBOB) plus a percentage of gasoline treated as blendstock (GTAB), "other" motor gasoline blending components, fuel ethanol, and MTBE. The quantity of GTAB and "other" motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline is based on the ratio of finished reformulated motor gasoline net production divided by total finished motor gasoline net production reported on surveys by refiners and blenders in each

PAD District. Motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline are further classified as blended with alcohol (i.e. fuel ethanol), blended with ether (i.e. MTBE), or non-oxygenated during 2009.

Starting with data for January 2010, motor gasoline blending component adjustment quantities were classified only as blended with fuel ethanol and “other”. During 2009, RBOB adjustment quantities were classified based on the product description that included reference to the oxygenate to be blended. Beginning with data for January 2010, all RBOB is reported in one product category without reference to specific oxygenates, and all RBOB adjustment quantities are assumed blended with fuel ethanol. During 2009, adjustment quantities for GTAB and “other” motor gasoline blending components reclassified to finished reformulated gasoline were further classified as blended with ether, blended with alcohol, or non-oxygenated based on the ratio of production of these products in reported survey data. After determining adjustment quantities of motor gasoline blending components reclassified to each type of finished reformulated motor gasoline, portions of the fuel ethanol and MTBE adjustments were reclassified to reformulated motor gasoline. The fuel ethanol quantity reclassified to finished reformulated motor gasoline was determined using the ratio of fuel ethanol blended into finished motor gasoline calculated from fuel ethanol blending data reported on survey forms by PAD District. For example, if the calculated volumetric fuel ethanol blend ratio was 10%, then a quantity of the fuel ethanol adjustment sufficient to make a 10% blend with the available motor gasoline blending components is reclassified to finished reformulated motor gasoline, but the quantity of fuel ethanol cannot exceed the total quantity of the fuel ethanol adjustment. During 2009, a similar process was followed for allocating the MTBE adjustment to reformulated motor gasoline except the blend ratio was assumed to be 12% in all PAD Districts. Starting with data for January 2010, the entire MTBE adjustment quantity is assumed to be blended with finished conventional motor gasoline.

- Adjustment quantities for finished conventional motor gasoline include adjustments for conventional blendstock for oxygenate blending (CBOB) plus the portion of GTAB, “other” motor gasoline blending components, fuel ethanol and MTBE adjustments that were not reclassified to finished reformulated motor gasoline. The total adjustment to finished conventional motor gasoline is further classified as finished conventional gasoline blended with fuel ethanol and “other” finished conventional motor gasoline. The quantity of the finished conventional motor gasoline adjustment reclassified as finished conventional motor gasoline blended with fuel ethanol is determined using the quantity of the fuel ethanol adjustment allocated

to finished conventional motor gasoline and the fuel ethanol blend ratio calculated from fuel ethanol blending reported on surveys by PAD District. For example, if the fuel ethanol blend ratio calculated from survey data was 10% in a PAD District, then the total adjustment quantity of finished conventional motor gasoline in that PAD District would be 10 times the fuel ethanol adjustment quantity allocated to finished conventional gasoline (i.e. the adjustment to finished conventional motor gasoline blended with fuel ethanol includes 10% fuel ethanol and 90% gasoline from the motor gasoline blending components adjustment). The MTBE adjustment allocated to finished conventional motor gasoline is simply added to the adjustment for “other” finished conventional motor gasoline.

- Fuel ethanol adjustment quantities frequently exceed the volume of fuel ethanol needed to achieve a blend ratio implied by blending activity reported by refiners and blenders on surveys when considering only the gasoline barrels available from the motor gasoline blending components adjustment. In this case, “other” finished conventional motor gasoline is reclassified by the adjustment to finished conventional motor gasoline blended with alcohol in order to maintain an ethanol blend ratio equal to the fuel ethanol blend ratio reported by refiners and blenders in each PAD District.

(7.) Motor Gasoline Blending Components Adjustment

Adjustment quantities for motor gasoline blending components at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports and renewable fuels and oxygenate plant net production (i.e. motor gasoline blending components use as denaturant for fuel ethanol production). Adjustment quantities by PAD District equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net receipts. Motor gasoline blending components adjustments are calculated for reformulated blendstock for oxygenate blending (RBOB), conventional blendstock for oxygenate blending (CBOB), gasoline treated as blendstock (GTAB), and “other” motor gasoline blending components. Product supplied for motor gasoline blending components is assumed to always equal zero because there is no end-user demand for motor gasoline blending components as anything other than finished motor gasoline. Motor gasoline blending components adjustment quantities are assumed to reflect finished motor gasoline blending implied by the supply and disposition balance but not reported on surveys. Adjustment quantities for motor gasoline blending components are reclassified to finished motor gasoline and added to the finished motor gasoline adjustment.

(8.) Renewable Fuels including Fuel Ethanol Adjustment

Adjustment quantities for renewable fuels (including fuel ethanol) at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum

of renewable fuels and oxygenate plant net production and imports. Calculation of adjustment quantities by PAD District depends on the product. Individual products include fuel ethanol, biomass based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). Product supplied for renewable fuels (including fuel ethanol) is assumed equal to zero. Adjustments for fuel ethanol and “other” renewable fuels are discussed separately below.

- Fuel ethanol adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. There are no survey data available for rail movements of fuel ethanol between PAD Districts, and so allocation of fuel ethanol adjustments to PAD Districts is based on the ratio of fuel ethanol blending reported on surveys in each PAD District divided by fuel ethanol blending reported on surveys for the entire U.S. In this case, Fuel ethanol implied net receipts are calculated for each PAD District as the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production, imports, and adjustments. Fuel ethanol implied net receipts are the balancing item between total supply and disposition in each PAD District. Fuel ethanol adjustment quantities are assumed to reflect blending of fuel ethanol into finished motor gasoline that is implied by the available supply of fuel ethanol but not reported on surveys. Fuel ethanol adjustment volumes are reclassified to finished reformulated motor gasoline and finished conventional motor gasoline through finished motor gasoline adjustments.
- The product category called “renewable fuels except fuel ethanol” includes biomass-based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). For PSM data prior to January 2012, renewable fuels except fuel ethanol adjustment quantities at the U.S. and PAD District levels were calculated as the sum of stock change, refinery and blender net input, and exports minus imports. Data for production of Renewable Fuels except Fuel Ethanol was unavailable and was excluded from Renewable Fuels and Oxygenate Plant Net Production. Therefore the calculation of adjustments to Renewable Fuels except Fuel Ethanol caused production to be included in the adjustment. Similarly, the calculation caused net inter-PAD District movements (i.e. net receipts) by rail and truck to also be included in adjustments to renewable fuels except fuel ethanol.
- Beginning with PSM data for January 2012, production of biodiesel reported on Form EIA-22M was included under the heading of “renewable fuels and oxygenate plant net production” in petroleum

supply and disposition balances for “renewable fuels except fuel ethanol”. As a result, the adjustment for “renewable fuels except fuel ethanol” no longer includes production of biodiesel. This change will also be made to revised monthly data for January-December 2011 when the 2011 Petroleum Supply Annual is released.

- Biodiesel adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. There are no survey data available for rail movements of biodiesel between PAD Districts, and so allocation of fuel biodiesel adjustments to PAD Districts is based on the ratio of biomass-based diesel blending reported on surveys in each PAD District divided by biomass-based diesel fuel blending reported on surveys for the entire U.S. Biodiesel implied net receipts are calculated for each PAD District as the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production, imports, and adjustments. Biodiesel implied net receipts are the balancing item between total supply and disposition in each PAD District. Biodiesel adjustment quantities are assumed to reflect blending of biodiesel into distillate fuel oil that is implied by the available supply of biodiesel but not reported as input on surveys. Biodiesel adjustment volumes are reclassified to distillate fuel oil (15 ppm sulfur and under) through distillate fuel oil adjustments.

(9.) Distillate Fuel Oil Adjustment

Adjustment quantities for distillate fuel oil show reclassification by pipeline operators of distillate fuel oil with sulfur content of 15 ppm and under to distillate fuel oil with sulfur content greater than 15 ppm to 500 ppm (inclusive). Reclassification may occur when distillate product with sulfur content of 15 ppm and under becomes mixed with products having higher sulfur content during pipeline transportation, storage, or handling. Adjustment quantities are reported by pipeline operators on Form EIA-812 “Monthly Product Pipeline Report.” This adjustment was discontinued after publication of data for December 2010

Beginning with PSM data for January 2012, distillate fuel oil adjustments equal the opposite of biodiesel adjustments described above in section 7. Biodiesel adjustments are added to distillate fuel oil (15 ppm sulfur and under) and to total distillate fuel oil. Distillate fuel oil adjustment quantities are assumed to reflect biodiesel blending activity implied by biodiesel supply and disposition but not reported on surveys. Distillate fuel oil adjustments for biodiesel will also be added to revised data for January-December 2011 when the 2011 Petroleum Supply Annual is released.

(10.) Crude Oil Adjustment

Adjustment quantities for crude oil are derived to balance crude oil supply and disposition. Crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report” in data through December 2009. Reporting crude oil used directly was discontinued on Form EIA-813 after collection of data for December 2009. Crude oil product supplied is assumed equal to zero beginning with data for January 2010. Undercounting crude oil imports in survey data is one example of a typical cause of crude oil adjustments. This results in a positive crude oil adjustment because crude oil disposition (i.e. the sum of stock change, refiner inputs, and exports) will exceed available supply (i.e. the sum of field production and imports) due to import undercounting. Crude oil losses are included in crude oil adjustment quantities. The crude oil adjustment was formerly called unaccounted-for crude oil. The name change was effective with data for January 2005.

(11.) Other Hydrocarbon Adjustment

Adjustment quantities for “other” hydrocarbons equal the sum of stock change, refinery and blender net inputs and exports minus imports. “Other” hydrocarbons product supplied is assumed equal to zero. Adjustment quantities account for “other” hydrocarbons produced outside of refineries. There are no movements data collected on surveys for “other” hydrocarbons. Therefore, adjustment quantities include any net receipts of “other” hydrocarbons resulting from inter-PAD District movements.

(12.) Hydrogen Adjustment

Adjustment quantities for hydrogen equal refinery and blender net input of hydrogen. Hydrogen product supplied is assumed equal to zero. Adjustment quantities account for hydrogen supplied to U.S. refineries from non-refinery sources. There are no movements data collected on surveys for hydrogen. Therefore, adjustment quantities at the PAD District level include any net receipts of hydrogen resulting from inter-PAD District movements.

(13.) Oxygenates (excluding fuel ethanol) Adjustment

Adjustment quantities for oxygenates (excluding fuel ethanol) equal the sum of stock change, refinery and blender net inputs, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Product supplied for oxygenates (excluding fuel ethanol) is assumed equal to zero. Methyl tertiary butyl ether (MTBE) is the single largest component of oxygenates (excluding fuel ethanol).

3. Quality

A. General Discussion

(1.) Response Rates

The response rate is generally 98 to 100 percent. Average response rates for the monthly and weekly surveys are published in the annual PSM article “Accuracy of Petroleum Supply Data.” Chronic nonrespondents and late filing respondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the Federal Energy Administration (FEA) Act.

(2.) Non-sampling Errors

There are two types of errors usually associated with data produced from a survey; sampling errors and nonsampling errors. Because the estimates for the monthly surveys are based on a complete census of the frame, there is no sampling error in the data presented. The data, however, are subject to non-sampling errors. Non-sampling errors may arise from a number of sources including: (1) the inability to obtain data from all companies in the frame (non-response) and the method used to account for non-response, (2) response errors, (3) differences in the interpretation of questions or definitions, (4) mistakes in recording or coding of the data obtained from respondents, and (5) other errors of collection, response, coverage, processing, and estimation.

(3.) Resubmissions

Throughout the year, EIA accepts data revisions of monthly data. If a revision to a monthly submission is made after the *PSM* has been published, it is referred to as a resubmission. The final monthly values for the previous year are published in the *PSA*. These values reflect all *PSM* resubmissions and other data corrections. The values contained in the *PSA* are EIA’s most accurate measure of petroleum supply activity.

(4.) Revision Policy

EIA will publish revised monthly crude oil production estimates going back to the Previously published Petroleum Supply Annual every month in the Petroleum Supply Navigator (<http://www.eia.gov/petroleum/supply/monthly/>). Once a year with the release of the Petroleum Supply Annual, EIA will revise up to 10 years of historical production estimates in the Petroleum Supply Navigator.

B. Data Assessment

The principal objective of the PSRS is to provide an accurate picture of petroleum industry activities and of the availability of petroleum products nationwide from primary distribution channels. The PSM preliminary monthly data serve as leading indicators of the final monthly data published in the PSA. The PSM monthly data are not expected to have the same level of accuracy as the final monthly data published in the PSA. However, the preliminary monthly data are expected to exhibit like trends and product flow characteristic of the final monthly data.

To assess the accuracy of monthly statistics, initial monthly estimates published in the PSM are compared with the final monthly aggregates published in the PSA. Although final monthly data are still subject to error, they have been thoroughly reviewed and edited, they reflect all revisions made during the year, and they are considered to be the most accurate data available. The mean absolute percent error provides a measure of the average revisions relative to the aggregates being measured for a variable. The mean absolute percent error for 2007 monthly data was less than 1 percent for 50 of the 66 major petroleum variables analyzed.

4. Provisions Regarding Disclosure of Information

All PSRS survey forms, with the exception of the Form EIA-814, "Monthly Imports Report," have the same general disclosure information statement. The information reported on Form EIA-814 will be considered "public information" and may be publicly released in company or individually identifiable form, and will not be protected from disclosure in identifiable form.

The information reported on Forms EIA-810 through 813, 815 through 817, 819, and 820 will be protected and not disclosed to the

public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. §552, the Department of Energy (DOE) regulations, 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. §1905. The Federal Energy Administration Act requires the EIA to provide company-specific data to other Federal agencies when requested for official use. The information reported on this form may also be made available, upon request, to another DOE component; to any Committee of Congress, the Government Accountability Office, or other Federal agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order. The information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Disclosure limitation procedures are not applied to the statistical data published from this survey's information. Thus, there may be some statistics that are based on data from fewer than three respondents, or that are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable person to estimate the information reported by a specific respondent.

In addition to the use of the information by EIA for statistical purposes, the information may be made available, upon request, to other Federal agencies authorized by law to receive such information for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Company specific data are also provided to other DOE offices for the purpose of examining specific petroleum operations in the context of emergency response planning and actual emergencies.

Appendix D

Northeast Reserves

Reserves inventories are not considered to be in the commercial sector and are excluded from EIA's commercial motor gasoline and distillate fuel oil supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

Northeast Home Heating Oil Reserve classified as ultra-low sulfur distillate (15 parts per million)

Terminal Operator	Location	Thousand Barrels
Buckeye Partners LP	Port Reading, NJ	300
Buckeye Partners LP	Groton, CT	300
Global Companies LLC	Revere, MA	400

Source: U. S. Energy Information Administration

Northeast Regional Refined Petroleum Product Reserve motor gasoline products

Terminal Operator	Location	Thousand Barrels
Kinder Morgan Liq Terminals LLC	Carteret, NJ	200
Buckeye Terminals LLC	Port Reading, NJ	0
Buckeye Terminals LLC	Raritan Bay, NJ	500
Global Companies LLC	Revere, MA	200
South Portland Terminal LLC	South Portland, ME	99

Source: U. S. Energy Information Administration

Other reserves information from the U.S. Department of Energy, Office of Petroleum Reserves can be found at
<http://energy.gov/fe/services/petroleum-reserves/>

State of New York's Strategic Fuels Reserve Program

State reserve inventories are also not considered to be in the commercial sector and are excluded from EIA's commercial inventories and are excluded from supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

Product	Location	Thousand Barrels
Motor Gasoline Blending Components	NY	85
Fuel Ethanol	NY	9
Distillate Fuel Oil, 15 ppm Sulfur and Under	NY	34

Source: New York State Energy Research & Development Authority

Definitions of Petroleum Products and Other Terms

(Revised May 2010)

Alcohol. The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group; CH₃-(CH₂)_n-OH (e.g., methanol, ethanol, and tertiary butyl alcohol).

Alkylate. The product of an alkylation reaction. It usually refers to the high octane product from alkylation units. This alkylate is used in blending high octane gasoline.

Alkylation. A refining process for chemically combining isobutane with olefin hydrocarbons (e.g., propylene, butylene) through the control of temperature and pressure in the presence of an acid catalyst, usually sulfuric acid or hydrofluoric acid. The product, alkylate, an isoparaffin, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

All Other Motor Gasoline Blending Components. See Motor Gasoline Blending Components.

API Gravity. An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Degrees API} = \frac{141.5}{\text{sp. gr. @ } 60^\circ F} - 131.5$$

The higher the API gravity, the lighter the compound. Light crudes generally exceed 38 degrees API and heavy crudes are commonly labeled as all crudes with an API gravity of 22 degrees or below. Intermediate crudes fall in the range of 22 degrees to 38 degrees API gravity.

Aromatics. Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene (BTX).

Asphalt. A dark-brown-to-black cement-like material containing bitumens as the predominant constituent obtained by petroleum processing; used primarily for road construction. It includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. Note: The conversion factor for asphalt is 5.5 barrels per short ton.

ASTM. The acronym for the American Society for Testing and Materials.

Atmospheric Crude Oil Distillation. The refining process of separating crude oil components at atmospheric pressure by heating to temperatures of about 600 degrees Fahrenheit to 750 degrees Fahrenheit (depending on the nature of the crude oil and desired products) and subsequent condensing of the fractions by cooling.

Aviation Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in aviation reciprocating

engines. Fuel specifications are provided in ASTM Specification D 910 and Military Specification MIL-G-5572. Note: Data on blending components are not counted in data on finished aviation gasoline.

Aviation Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation gasoline (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus. Oxygenates are reported as other hydrocarbons, hydrogen, and oxygenates.

Barrel. A unit of volume equal to 42 U.S. gallons.

Barrels Per Calendar Day. The amount of input that a distillation facility can process under usual operating conditions. The amount is expressed in terms of capacity during a 24-hour period and reduces the maximum processing capability of all units at the facility under continuous operation (see **Barrels per Stream Day**) to account for the following limitations that may delay, interrupt, or slow down production:

the capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation;

the types and grades of inputs to be processed;

the types and grades of products expected to be manufactured;

the environmental constraints associated with refinery operations;

the reduction of capacity for scheduled downtime due to such conditions as routine inspection, maintenance, repairs, and turnaround; and

the reduction of capacity for unscheduled downtime due to such conditions as mechanical problems, repairs, and slowdowns.

Barrels Per Stream Day. The maximum number of barrels of input that a distillation facility can process within a 24-hour period when running at full capacity under optimal crude and product slate conditions with no allowance for downtime.

Benzene (C₆H₆). An aromatic hydrocarbon present in small proportion in some crude oils and made commercially from petroleum by the catalytic reforming of naphthenes in petroleum naphtha. Also made from coal in the manufacture of coke. Used as a solvent, in manufacturing detergents, synthetic fibers, and petrochemicals and as a component of high-octane gasoline.

Biomass-Based Diesel Fuel. Biodiesel and other renewable diesel fuel or diesel fuel blending components derived from biomass, but excluding renewable diesel fuel coprocessed with petroleum

feedstocks.

Blending Components. See *Motor or Aviation Gasoline Blending Components*.

Blending Plant. A facility which has no refining capability but is either capable of producing finished motor gasoline through mechanical blending or blends oxygenates with motor gasoline.

Bonded Petroleum Imports. Petroleum imported and entered into Customs bonded storage. These imports are not included in the import statistics until they are: (1) withdrawn from storage free of duty for use as fuel for vessels and aircraft engaged in international trade; or (2) withdrawn from storage with duty paid for domestic use.

BTX. The acronym for the commercial petroleum aromatics benzene, toluene, and xylene. See individual categories for definitions.

Bulk Station. A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of less than 50,000 barrels and receives its petroleum products by tank car or truck.

Bulk Terminal. A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of 50,000 barrels or more and/or receives petroleum products by tanker, barge, or pipeline.

Butane (C_4H_{10}). A normally gaseous straight-chain or branch-chain hydrocarbon extracted from natural gas or refinery gas streams. It includes normal butane and refinery-grade butane and is designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

Normal Butane (C_4H_{10}). A normally gaseous straight-chain hydrocarbon that is a colorless paraffinic gas which boils at a temperature of 31.1 degrees Fahrenheit and is extracted from natural gas or refinery gas streams.

Refinery-Grade Butane (C_4H_{10}). A refinery-produced stream that is composed predominantly of normal butane and/or isobutane and may also contain propane and/or natural gasoline. These streams may also contain significant levels of olefins and/or fluorides contamination.

Butylene (C_4H_8). An olefinic hydrocarbon recovered from refinery processes.

Captive Refinery Oxygenate Plants. Oxygenate production facilities located within or adjacent to a refinery complex.

Catalytic Cracking. The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil. Catalytic cracking processes fresh feeds and recycled feeds.

Fresh Feeds. Crude oil or petroleum distillates which are being fed to processing units for the first time.

Recycled Feeds. Feeds that are continuously fed back for additional processing.

Catalytic Hydrocracking. A refining process that uses hydrogen and catalysts with relatively low temperatures and high pressures for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel, and/or high grade fuel oil. The process uses one or more catalysts, depending upon product output, and can handle high sulfur feedstocks without prior desulfurization.

Catalytic Hydrotreating. A refining process for treating petroleum fractions from atmospheric or vacuum distillation units (e.g., naphthas, middle distillates, reformer feeds, residual fuel oil, and heavy gas oil) and other petroleum (e.g., cat cracked naphtha, coker naphtha, gas oil, etc.) in the presence of catalysts and substantial quantities of hydrogen. Hydrotreating includes desulfurization, removal of substances (e.g., nitrogen compounds) that deactivate catalysts, conversion of olefins to paraffins to reduce gum formation in gasoline, and other processes to upgrade the quality of the fractions.

Catalytic Reforming. A refining process using controlled heat and pressure with catalysts to rearrange certain hydrocarbon molecules, thereby converting paraffinic and naphthenic type hydrocarbons (e.g., low-octane gasoline boiling range fractions) into petrochemical feedstocks and higher octane stocks suitable for blending into finished gasoline. Catalytic reforming is reported in two categories. They are:

Low Pressure. A processing unit operating at less than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

High Pressure. A processing unit operating at either equal to or greater than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

Charge Capacity. The input (feed) capacity of the refinery processing facilities.

Coal. A readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time.

Commercial Kerosene-Type Jet Fuel. See *Kerosene-Type Jet Fuel*.

Conventional Blendstock for Oxygenate Blending (CBOB). See *Motor Gasoline Blending Components*.

Conventional Gasoline. See *Motor Gasoline (Finished)*.

Crude Oil. A mixture of hydrocarbons that exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Depending upon the characteristics of the crude stream, it may also include:

Small amounts of hydrocarbons that exist in gaseous phase in natural underground reservoirs but are liquid at atmospheric pressure after being recovered from oil well (casinghead) gas in lease separators and are subsequently commingled

with the crude stream without being separately measured. Lease condensate recovered as a liquid from natural gas wells in lease or field separation facilities and later mixed into the crude stream is also included;

Small amounts of nonhydrocarbons produced from oil, such as sulfur and various metals;

Drip gases, and liquid hydrocarbons produced from tar sands, oil sands, gilsonite, and oil shale.

Liquids produced at natural gas processing plants are excluded. Crude oil is refined to produce a wide array of petroleum products, including heating oils; gasoline, diesel and jet fuels; lubricants; asphalt; ethane, propane, and butane; and many other products used for their energy or chemical content.

Crude oil is considered as either domestic or foreign, according to the following:

Domestic. Crude oil produced in the United States or from its Aouter continental shelf' as defined in 43 USC 1331.

Foreign. Crude oil produced outside the United States. Imported Athabasca hydrocarbons (tar sands from Canada) are included.

Crude Oil, Refinery Receipts. Receipts of domestic and foreign crude oil at a refinery. Includes all crude oil in transit except crude oil in transit by pipeline. Foreign crude oil is reported as a receipt only after entry through customs. Crude oil of foreign origin held in bonded storage is excluded.

Crude Oil Losses. Represents the volume of crude oil reported by petroleum refineries as being lost in their operations. These losses are due to spills, contamination, fires, etc. as opposed to refinery processing losses.

Crude Oil Production. The volume of crude oil produced from oil reservoirs during given periods of time. The amount of such production for a given period is measured as volumes delivered from lease storage tanks (i.e., the point of custody transfer) to pipelines, trucks, or other media for transport to refineries or terminals with adjustments for (1) net differences between opening and closing lease inventories, and (2) basic sediment and water (BS&W).

Crude Oil Qualities. Refers to two properties of crude oil, the sulfur content and API gravity, which affect processing complexity and product characteristics.

Delayed Coking. A process by which heavier crude oil fractions can be thermally decomposed under conditions of elevated temperatures and pressure to produce a mixture of lighter oils and petroleum coke. The light oils can be processed further in other refinery units to meet product specifications. The coke can be used either as a fuel or in other applications such as the manufacturing of steel or aluminum.

Desulfurization. The removal of sulfur, as from molten metals, petroleum oil, or flue gases. Petroleum desulfurization is a process that removes sulfur and its compounds from various streams during the refining process. Desulfurization processes include catalytic hydrotreating and other chemical/physical processes such

as adsorption. Desulfurization processes vary based on the type of stream treated (e.g., naphtha, distillate, heavy gas oil, etc.) and the amount of sulfur removed (e.g., sulfur reduction to 10 ppm). See **Catalytic Hydrotreating**.

Disposition. The components of petroleum disposition are stock change, crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

Distillate Fuel Oil. A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.

No. 1 Distillate. A light petroleum distillate that can be used as either a diesel fuel or a fuel oil.

No. 1 Diesel Fuel. A light distillate fuel oil that has a distillation temperature of 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high speed diesel engines generally operated under frequent speed and load changes, such as those in city buses and similar vehicles. See **No. 1 Distillate**.

No. 1 Fuel Oil. A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See **No. 1 Distillate**.

No. 2 Distillate. A petroleum distillate that can be used as either a diesel fuel or a fuel oil.

No. 2 Diesel Fuel. A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high-speed diesel engines that are generally operated under uniform speed and load conditions, such as those in railroad locomotives, trucks, and automobiles. See **No. 2 Distillate**.

Low Sulfur No. 2 Diesel Fuel. No. 2 diesel fuel that has a sulfur level no higher than 0.05 percent by weight. It is used primarily in motor vehicle diesel engines for on-highway use.

High Sulfur No. 2 Diesel Fuel. No. 2 diesel fuel that has a sulfur level above 0.05 percent by weight.

No. 2 Fuel Oil (Heating Oil). A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in

atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See **No. 2 Distillate**.

No. 4 Fuel. A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms to ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low- and medium-speed diesel engines and conforms to ASTM Specification D 975.

No. 4 Diesel Fuel. See **No. 4 Fuel**.

No. 4 Fuel Oil. See **No. 4 Fuel**.

Electricity (Purchased). Electricity purchased for refinery operations that is not produced within the refinery complex.

Ending Stocks. Primary stocks of crude oil and petroleum products held in storage as of 12 midnight on the last day of the month. Primary stocks include crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tank farms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in-transit by water from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage.

ETBE (Ethyl tertiary butyl ether) ($\text{CH}_3\text{CH}_2\text{COCH}_2\text{CH}_3$). An oxygenate blend stock formed by the catalytic etherification of isobutylene with ethanol.

Ethane (C_2H_6). A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 127.48 degrees Fahrenheit. It is extracted from natural gas and refinery gas streams.

Ether. A generic term applied to a group of organic chemical compounds composed of carbon, hydrogen, and oxygen, characterized by an oxygen atom attached to two carbon atoms (e.g., methyl tertiary butyl ether).

Ethylene (C_2H_4). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes. Ethylene is used as a petrochemical feedstock for numerous chemical applications and the production of consumer goods.

Exports. Shipments of crude oil and petroleum products from the 50 States and the District of Columbia to foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

Field Production. Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, new supply of other hydrocarbons/oxygenates and motor gasoline blending components, and fuel ethanol blended into finished motor gasoline.

Flexicoking. A thermal cracking process which converts heavy

hydrocarbons such as crude oil, tar sands bitumen, and distillation residues into light hydrocarbons. Feedstocks can be any pumpable hydrocarbons including those containing high concentrations of sulfur and metals.

Fluid Coking. A thermal cracking process utilizing the fluidized-solids technique to remove carbon (coke) for continuous conversion of heavy, low-grade oils into lighter products.

Fresh Feed Input. Represents input of material (crude oil, unfinished oils, natural gas liquids, other hydrocarbons and oxygenates or finished products) to processing units at a refinery that is being processed (input) into a particular unit for the first time.

Examples:

(1.) Unfinished oils coming out of a crude oil distillation unit which are input into a catalytic cracking unit are considered fresh feed to the catalytic cracking unit.

(2.) Unfinished oils coming out of a catalytic cracking unit being looped back into the same catalytic cracking unit to be reprocessed are not considered fresh feed.

Fuel Ethanol ($\text{C}_2\text{H}_5\text{OH}$). An anhydrous alcohol (ethanol with less than 1% water) intended for gasoline blending as described in Oxygenates definition.

Fuels Solvent Deasphalting. A refining process for removing asphalt compounds from petroleum fractions, such as reduced crude oil. The recovered stream from this process is used to produce fuel products.

Gas Oil. A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. It derives its name from having originally been used in the manufacture of illuminating gas. It is now used to produce distillate fuel oils and gasoline.

Gasohol. A blend of finished motor gasoline containing alcohol (generally ethanol but sometimes methanol) at a concentration of 10 percent or less by volume. Data on gasohol that has at least 2.7 percent oxygen, by weight, and is intended for sale inside carbon monoxide nonattainment areas are included in data on oxygenated gasoline. See **Oxygenates**.

Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation or motor gasoline (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

Gasoline Treated as Blendstock (GTAB). See **Motor Gasoline Blending Components**.

Gross Input to Atmospheric Crude Oil Distillation Units. Total input to atmospheric crude oil distillation units. Includes all crude oil, lease condensate, natural gas plant liquids, unfinished oils, liquefied refinery gases, slop oils, and other liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

Heavy Gas Oil. Petroleum distillates with an approximate boiling

range from 651 degrees Fahrenheit to 1000 degrees Fahrenheit.

High-Sulfur Distillate Fuel Oil. Distillate fuel oil having sulfur content greater than 500 ppm.

Hydrogen. The lightest of all gases, occurring chiefly in combination with oxygen in water; exists also in acids, bases, alcohols, petroleum, and other hydrocarbons.

Idle Capacity. The component of operable capacity that is not in operation and not under active repair, but capable of being placed in operation within 30 days; and capacity not in operation but under active repair that can be completed within 90 days.

Imported Crude Oil Burned As Fuel. The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

Imports. Receipts of crude oil and petroleum products into the 50 States and the District of Columbia from foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

Isobutane (C_4H_{10}). A normally gaseous branch-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams.

Isobutylene (C_4H_8). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

Isohexane (C_6H_{14}). A saturated branch-chain hydrocarbon. It is a colorless liquid that boils at a temperature of 156.2 degrees Fahrenheit.

Isomerization. A refining process which alters the fundamental arrangement of atoms in the molecule without adding or removing anything from the original material. Used to convert normal butane into isobutane (C_4), an alkylation process feedstock, and normal pentane and hexane into isopentane (C_5) and isohexane (C_6), high-octane gasoline components.

Isopentane. See *Natural Gasoline and Isopentane*.

Kerosene. A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades recognized by ASTM Specification D 3699 as well as all other grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil. See *Kerosene-Type Jet Fuel*.

Kerosene-Type Jet Fuel. A kerosene-based product having a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point and a final maximum boiling point of 572 degrees Fahrenheit and meeting ASTM Specification D 1655 and Military Specifications MIL-T-5624P and MIL-T-83133D (Grades JP-5 and JP-8). It is used for commercial and military turbojet and turboprop aircraft engines.

Commercial. Kerosene-type jet fuel intended for use in commercial aircraft.

Military. Kerosene-type jet fuel intended for use in military aircraft.

Lease Condensate. A mixture consisting primarily of pentanes and heavier hydrocarbons which is recovered as a liquid from natural gas in lease separation facilities. This category excludes natural gas liquids, such as butane and propane, which are recovered at downstream natural gas processing plants or facilities. See *Natural Gas Liquids*.

Light Gas Oils. Liquid Petroleum distillates heavier than naphtha, with an approximate boiling range from 401 degrees Fahrenheit to 650 degrees Fahrenheit.

Liquefied Petroleum Gases (LPG). A group of hydrocarbon-based gases derived from crude oil refining or natural gas fractionation. They include: ethane, ethylene, propane, propylene, normal butane, butylene, isobutane, and isobutylene. For convenience of transportation, these gases are liquefied through pressurization.

Liquefied Refinery Gases (LRG). Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/or refrigeration, they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane/isobutylene. Excludes still gas.

Low-Sulfur Distillate Fuel Oil. Distillate fuel oil having sulfur content greater than 15 ppm to 500 ppm. Low sulfur distillate fuel oil also includes product with sulfur content equal to or less than 15 ppm if the product is intended for pipeline shipment and the pipeline has a sulfur specification below 15 ppm.

Lubricants. Substances used to reduce friction between bearing surfaces or as process materials either incorporated into other materials used as processing aids in the manufacture of other products, or used as carriers of other materials. Petroleum lubricants may be produced either from distillates or residues. Lubricants include all grades of lubricating oils from spindle oil to cylinder oil and those used in greases.

Merchant Oxygenate Plants. Oxygenate production facilities that are not associated with a petroleum refinery. Production from these facilities is sold under contract or on the spot market to refiners or other gasoline blenders.

Methanol (CH_3OH). A light, volatile alcohol intended for gasoline blending as described in Oxygenate definition.

Middle Distillates. A general classification of refined petroleum products that includes distillate fuel oil and kerosene.

Military Kerosene-Type Jet Fuel. See *Kerosene-Type Jet Fuel*.

Miscellaneous Products. Includes all finished products not classified elsewhere (e.g., petrolatum, lube refining byproducts (aromatic extracts and tars), absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, and specialty oils). Note:

Beginning with January 2004 data, naphtha-type jet fuel is included in Miscellaneous Products.

Motor Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in spark-ignition engines. Motor gasoline, as defined in ASTM Specification D 4814 or Federal Specification VV-G-1690C, is characterized as having a boiling range of 122 to 158 degrees Fahrenheit at the 10 percent recovery point to 365 to 374 degrees Fahrenheit at the 90 percent recovery point. "Motor Gasoline" includes conventional gasoline; all types of oxygenated gasoline, including gasohol; and reformulated gasoline, but excludes aviation gasoline. Volumetric data on blending components, such as oxygenates, are not counted in data on finished motor gasoline until the blending components are blended into the gasoline. Note: E85 is included only in volumetric data on finished motor gasoline production and other components of product supplied.

Conventional Gasoline. Finished motor gasoline not included in the oxygenated or reformulated gasoline categories. Note: This category excludes reformulated gasoline blendstock for oxygenate blending (RBOB) as well as other blendstock.

Ed 55 and Lower. Finished conventional motor gasoline blended with a maximum of 55 volume percent denatured fuel ethanol.

Greater than Ed55. Finished conventional motor gasoline blended with denatured fuel ethanol where the volume percent of denatured fuel ethanol exceeds 55%.

OPRG. "Oxygenated Fuels Program Reformulated Gasoline" is reformulated gasoline which is intended for use in an oxygenated fuels program control area.

Oxygenated Gasoline (Including Gasohol). Oxygenated gasoline includes all finished motor gasoline, other than reformulated gasoline, having oxygen content of 2.0 percent or higher by weight. Gasohol containing a minimum 5.7 percent ethanol by volume is included in oxygenated gasoline. Oxygenated gasoline was reported as a separate product from January 1993 until December 2003 inclusive. Beginning with monthly data for January 2004, oxygenated gasoline is included in conventional gasoline. Historical data for oxygenated gasoline excluded Federal Oxygenated Program Reformulated Gasoline (OPRG). Historical oxygenated gasoline data also excluded other reformulated gasoline with a seasonal oxygen requirement regardless of season.

Reformulated Gasoline. Finished gasoline formulated for use in motor vehicles, the composition and properties of which meet the requirements of the reformulated gasoline regulations promulgated by the U.S. Environmental Protection Agency under Section 211(k) of the Clean Air Act. It includes gasoline produced to meet or exceed emissions performance and benzene content standards of federal-program reformulated gasoline even though the gasoline

may not meet all of the composition requirements (e.g., oxygen content) of federal-program reformulated gasoline. Note: This category includes Oxygenated Fuels Program Reformulated Gasoline (OPRG). Reformulated gasoline excludes Reformulated Blendstock for Oxygenate Blending (RBOB) and Gasoline Treated as Blendstock (GTAB).

Reformulated (Blended with Alcohol). Reformulated gasoline blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content.

Reformulated (Blended with Ether). Reformulated gasoline blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content.

Reformulated (Non-Oxygenated). Reformulated gasoline without added ether or alcohol components.

Motor Gasoline Blending. Mechanical mixing of motor gasoline blending components, and oxygenates when required, to produce finished motor gasoline. Finished motor gasoline may be further mixed with other motor gasoline blending components or oxygenates, resulting in increased volumes of finished motor gasoline and/or changes in the formulation of finished motor gasoline (e.g., conventional motor gasoline mixed with MTBE to produce oxygenated motor gasoline).

Motor Gasoline Blending Components. Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. These components include reformulated gasoline blendstock for oxygenate blending (RBOB) but exclude oxygenates (alcohols, ethers), butane, and pentanes plus. Note: Oxygenates are reported as individual components and are included in the total for other hydrocarbons, hydrogens, and oxygenates.

Conventional Blendstock for Oxygenate Blending (CBOB). Conventional gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. CBOB must become conventional gasoline after blending with oxygenates. Motor gasoline blending components that require blending other than with oxygenates to become finished conventional gasoline are reported as All Other Motor Gasoline Blending Components. Excludes reformulated blendstock for oxygenate blending (RBOB).

Gasoline Treated as Blendstock (GTAB). Non-certified Foreign Refinery gasoline classified by an importer as blendstock to be either blended or reclassified with respect to reformulated or conventional gasoline. GTAB was classified on EIA surveys as either reformulated or conventional based on emissions performance and the intended end use in data through the end of December 2009. Designation of GTAB as reformulated or conventional was discontinued beginning with data for January 2010. GTAB was reported as a single product beginning with data for January 2010. GTAB data for January 2010 and later months is presented as conventional

motor gasoline blending components when reported as a subset of motor gasoline blending components.

Reformulated Blendstock for Oxygenate Blending (RBOB). Specially produced reformulated gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. Includes RBOB used to meet requirements of the Federal reformulated gasoline program and other blendstock intended for blending with oxygenates to produce finished gasoline that meets or exceeds emissions performance requirements of Federal reformulated gasoline (e.g., California RBOB and Arizona RBOB). Excludes conventional gasoline blendstocks for oxygenate blending (CBOB).

RBOB for Blending with Alcohol. Motor gasoline blending components intended to be blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

RBOB for Blending with Ether. Motor gasoline blending components intended to be blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

All Other Motor Gasoline Blending Components. Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. Includes receipts and inputs of Gasoline Treated as Blendstock (GTAB). Excludes conventional blendstock for oxygenate blending (CBOB), reformulated blendstock for oxygenate blending, oxygenates (e.g. fuel ethanol and methyl tertiary butyl ether), butane, and pentanes plus.

MTBE (Methyl tertiary butyl ether) (CH_3)₃ COCH_3 . An ether intended for gasoline blending as described in Oxygenate definition.

Naphtha. A generic term applied to a petroleum fraction with an approximate boiling range between 122 degrees Fahrenheit and 400 degrees Fahrenheit.

Naphtha Less Than 401° F. See *Petrochemical Feedstocks*.

Naphtha-Type Jet Fuel. A fuel in the heavy naphtha boiling range having an average gravity of 52.8 degrees API, 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees Fahrenheit, and meeting Military Specification MIL-T-5624L (Grade JP-4). It is used primarily for military turbojet and turboprop aircraft engines because it has a lower freeze point than other aviation fuels and meets engine requirements at high altitudes and speeds. Note: Beginning with January 2004 data, naphtha-type jet fuel is included in *Miscellaneous Products*.

Natural Gas. A gaseous mixture of hydrocarbon compounds, the primary one being **methane**.

Natural Gas Field Facility. A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

Natural Gas Liquids. Those hydrocarbons in natural gas that are separated from the gas as liquids through the process of absorption, condensation, adsorption, or other methods in gas processing or cycling plants. Generally such liquids consist of propane and heavier hydrocarbons and are commonly referred to as lease condensate, natural gasoline, and liquefied petroleum gases. Natural gas liquids include natural gas plant liquids (primarily ethane, propane, butane, and isobutane; see *Natural Gas Plant Liquids*) and lease condensate (primarily pentanes produced from natural gas at lease separators and field facilities; see *Lease Condensate*).

Natural Gas Plant Liquids. Those hydrocarbons in natural gas that are separated as liquids at natural gas processing plants, fractionating and cycling plants, and, in some instances, field facilities. Lease condensate is excluded. Products obtained include ethane; liquefied petroleum gases (propane, butanes, propane-butane mixtures, ethane-propane mixtures); isopentane; and other small quantities of finished products, such as motor gasoline, special naphthas, jet fuel, kerosene, and distillate fuel oil.

Natural Gas Processing Plant. Facilities designed to recover natural gas liquids from a stream of natural gas that may or may not have passed through lease separators and/or field separation facilities. These facilities control the quality of the natural gas to be marketed. Cycling plants are classified as gas processing plants.

Natural Gasoline and Isopentane. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon, (C_5H_{12}), obtained by fractionation of natural gasoline or isomerization of normal pentane.

Net Receipts. The difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge.

Normal Butane. See *Butane*.

OPEC. An intergovernmental organization whose stated objective is to coordinate and unify petroleum policies of member countries. It was created at the Baghdad Conference on September 10–14, 1960. Current and former members (with years of membership) include Algeria (1969-present), Angola (2007-present), Congo (Brazzaville) (June 2018-present), Ecuador (1973-1992 and 2007-present), Gabon (1975-1994 and July, 2016-present), Indonesia (1962-2008 and January, 2016-November, 2016), Iran (1960-present), Iraq (1960-present), Kuwait (1960-present), Libya (1962-present), Nigeria (1971-present), Qatar (1961-2018), Saudi Arabia (1960-present), United Arab Emirates (1967-present), and Venezuela (1960-present).

Operable Capacity. The amount of capacity that, at the beginning of the period, is in operation; not in operation and not under active repair, but capable of being placed in operation within 30 days; or not in operation but under active repair that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

Operable Utilization Rate. Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operable refining capacity of the units.

Operating Capacity. The component of operable capacity that is in operation at the beginning of the period.

Operating Utilization Rate. Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operating refining capacity of the units.

Other Hydrocarbons. Materials received by a refinery and consumed as a raw material. Includes hydrogen, coal tar derivatives and gilsonite. Excludes natural gas used for fuel or hydrogen feedstock.

Other Oils Equal To or Greater Than 401° F. See *Petrochemical Feedstocks*.

Other Oxygenates. Other aliphatic alcohols and aliphatic ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Oxygenated Gasoline. See *Motor Gasoline (Finished)*.

Oxygenates. Substances which, when added to gasoline, increase the amount of oxygen in that gasoline blend. Fuel Ethanol, Methyl Tertiary Butyl Ether (MTBE), Ethyl Tertiary Butyl Ether (ETBE), and methanol are common oxygenates.

Fuel Ethanol. Blends of up to 10 percent by volume anhydrous ethanol (200 proof) (commonly referred to as the “gasohol waiver”).

Methanol. Blends of methanol and gasoline-grade tertiary butyl alcohol (GTBA) such that the total oxygen content does not exceed 3.5 percent by weight and the ratio of methanol to GTBA is less than or equal to 1. It is also specified that this blended fuel must meet ASTM volatility specifications (commonly referred to as the “ARCO” waiver).

Blends of up to 5.0 percent by volume methanol with a minimum of 2.5 percent by volume cosolvent alcohols having a carbon number of 4 or less (i.e., ethanol, propanol, butanol, and/or GTBA). The total oxygen must not exceed 3.7 percent by weight, and the blend must meet ASTM volatility specifications as well as phase separation and alcohol purity specifications (commonly referred to as the “DuPont” waiver).

MTBE (Methyl tertiary butyl ether). Blends up to 15.0 percent by volume MTBE which must meet the ASTM D4814 specifications. Blenders must take precautions that

the blends are not used as base gasolines for other oxygenated blends (commonly referred to as the “Sun” waiver).

Pentanes Plus. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

Persian Gulf. The countries that comprise the Persian Gulf are: Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

Petrochemical Feedstocks. Chemical feedstocks derived from petroleum principally for the manufacture of chemicals, synthetic rubber, and a variety of plastics. The categories reported are “Naphtha Less Than 401° F” and “Other Oils Equal To or Greater Than 401° F.”

Naphtha Less Than 401° F. A naphtha with a boiling range of less than 401 degrees Fahrenheit that is intended for use as a petrochemical feedstock.

Other Oils Equal To or Greater Than 401° F. Oils with a boiling range equal to or greater than 401 degrees Fahrenheit that are intended for use as a petrochemical feedstock.

Petroleum Administration for Defense (PAD) Districts. Geographic aggregations of the 50 States and the District of Columbia into five districts by the Petroleum Administration for Defense in 1950. These districts were originally defined during World War II for purposes of administering oil allocation.

Petroleum Coke. A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion is 5 barrels (of 42 U.S. gallons each) per short ton. Coke from petroleum has a heating value of 6.024 million Btu per barrel.

Catalyst Coke. In many catalytic operations (e.g., catalytic cracking) carbon is deposited on the catalyst, thus deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refining process. This carbon or coke is not recoverable in a concentrated form.

Marketable Coke. Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This “green” coke may be sold as is or further purified by calcining.

Petroleum Products. Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

Pipeline (Petroleum). Crude oil and product pipelines used to transport crude oil and petroleum products respectively, (including interstate, intrastate, and intracompany pipelines) within the 50 States and the District of Columbia.

Plant Condensate. One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

Processing Gain. The volumetric amount by which total output is greater than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a lower specific gravity than the crude oil processed.

Processing Loss. The volumetric amount by which total refinery output is less than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a higher specific gravity than the crude oil processed.

Product Supplied, Crude Oil. Crude oil burned on leases and by pipelines as fuel.

Production Capacity. The maximum amount of product that can be produced from processing facilities.

Products Supplied. Approximately represents consumption of petroleum products because it measures the disappearance of these products from primary sources, i.e., refineries, natural gas processing plants, blending plants, pipelines, and bulk terminals. In general, product supplied of each product in any given period is computed as follows: field production, plus refinery production, plus imports, plus unaccounted for crude oil, (plus net receipts when calculated on a PAD District basis), minus stock change, minus crude oil losses, minus refinery inputs, minus exports.

Propane (C_3H_8). A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 43.67 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams. It includes all products designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial propane and HD-5 propane.

Propylene (C_3H_6). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

Propylene (C_3H_6) (nonfuel use). Propylene that is intended for use in nonfuel applications such as petrochemical manufacturing. Nonfuel use propylene includes chemical-grade propylene, polymer-grade propylene, and trace amounts of propane. Nonfuel use propylene also includes the propylene component of propane/propylene mixes where the propylene will be separated from the mix in a propane/propylene splitting process. Excluded is the propylene component of propane/propylene mixes where the propylene component of the mix is intended for sale into the fuel market.

Refinery. An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and oxygenates.

Refinery-Grade Butane. See *Butane*.

Refinery Input, Crude Oil. Total crude oil (domestic plus foreign) input to crude oil distillation units and other refinery processing units (cokers, etc.).

Refinery Input, Total. The raw materials and intermediate materials processed at refineries to produce finished petroleum products. They include crude oil, products of natural gas processing plants, unfinished oils, other hydrocarbons and oxygenates, motor gasoline and aviation gasoline blending components and finished petroleum products.

Refinery Production. Petroleum products produced at a refinery or blending plant. Published production of these products equals refinery production minus refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. Refinery production of unfinished oils, and motor and aviation gasoline blending components appear on a net basis under refinery input.

Refinery Yield. Refinery yield (expressed as a percentage) represents the percent of finished product produced from input of crude oil and net input of unfinished oils. It is calculated by dividing the sum of crude oil and net unfinished input into the individual net production of finished products. Before calculating the yield for finished motor gasoline, the input of natural gas liquids, other hydrocarbons and oxygenates, and net input of motor gasoline blending components must be subtracted from the net production of finished motor gasoline. Before calculating the yield for finished aviation gasoline, input of aviation gasoline blending components must be subtracted from the net production of finished aviation gasoline.

Reformulated Blendstock for Oxygenate Blending (RBOB). See *Motor Gasoline Blending Components*.

Reformulated Gasoline. See *Motor Gasoline (Finished)*.

Renewable Fuels (Other). Fuels and fuel blending components, except biomass-based diesel fuel, renewable diesel fuel, and fuel ethanol, produced from renewable biomass.

Residual Fuel Oil. A general classification for the heavier oils, known as No. 5 and No. 6 fuel oils, that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations. It conforms to ASTM Specifications D 396 and D 975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also known as Navy Special and is defined in Military Specification MIL-F-859E, including Amendment 2 (NATO Symbol F-770). It is used in steam-powered vessels in government service and inshore power plants. No. 6 fuel oil includes Bunker C fuel oil and is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

Residuum. Residue from crude oil after distilling off all but the heaviest components, with a boiling range greater than 1000 degrees Fahrenheit.

Road Oil. Any heavy petroleum oil, including residual asphaltic oil used as a dust palliative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

Shell Storage Capacity. The design capacity of a petroleum storage tank which is always greater than or equal to working storage capacity. Special Naphthas. All finished products within the naphtha boiling range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point. Special naphthas include all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline, or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

Steam (Purchased). Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

Still Gas (Refinery Gas). Any form or mixture of gases produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is used as a refinery fuel and a petrochemical feedstock. The conversion factor is 6 million BTU's per fuel oil equivalent barrel.

Stock Change. The difference between stocks at the beginning of the reporting period and stocks at the end of the reporting period. Note: A negative number indicates a decrease (i.e., a drawdown) in stocks and a positive number indicates an increase (i.e., a buildup) in stocks during the reporting period.

Strategic Petroleum Reserve (SPR). Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

Sulfur. A yellowish nonmetallic element, sometimes known as "brimstone." It is present at various levels of concentration in many fossil fuels whose combustion releases sulfur compounds that are considered harmful to the environment. Some of the most commonly used fossil fuels are categorized according to their sulfur content, with lower sulfur fuels usually selling at a higher price. Note: No. 2 Distillate fuel is currently reported as having either a 0.05 percent or lower sulfur level for on-highway vehicle use or a greater than 0.05 percent sulfur level for off-highway use, home heating oil, and commercial and industrial uses. Residual fuel, regardless of use, is classified as having either no more than 1 percent sulfur or greater than 1 percent sulfur. Coal is also classified as being low-sulfur at concentrations of 1 percent or less or high-sulfur at concentrations greater than 1 percent.

Supply. The components of petroleum supply are field production, refinery production, imports, and net receipts when calculated on a PAD District basis.

TAME (Tertiary amyl methyl ether) ($\text{CH}_3)_2(\text{C}_2\text{H}_5)\text{COCH}_3$. An oxygenate blend stock formed by the catalytic etherification of isoamylene with methanol.

Tank Farm. An installation used by gathering and trunk pipeline companies, crude oil producers, and terminal operators (except refineries) to store crude oil.

Tanker and Barge. Vessels that transport crude oil or petroleum products. Data are reported for movements between PAD Districts; from a PAD District to the Panama Canal; or from the Panama Canal

to a PAD District.

TBA (Tertiary butyl alcohol) ($\text{CH}_3)_3\text{COH}$. An alcohol primarily used as a chemical feedstock, a solvent or feedstock for isobutylene production for MTBE; produced as a co-product of propylene oxide production or by direct hydration of isobutylene.

Thermal Cracking. A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking includes gas oil, visbreaking, fluid coking, delayed coking, and other thermal cracking processes (e.g., flexicoking). See individual categories for definition.

Toluene ($\text{C}_6\text{H}_5\text{CH}_3$). Colorless liquid of the aromatic group of petroleum hydrocarbons, made by the catalytic reforming of petroleum naphthas containing methyl cyclohexane. A high-octane gasoline-blending agent, solvent, and chemical intermediate, base for TNT.

Ultra-Low Sulfur Distillate Fuel Oil. Distillate fuel oil having sulfur content of 15 ppm or lower. Ultra-low sulfur distillate fuel oil that will be shipped by pipeline must satisfy the sulfur specification of the shipping pipeline if the pipeline specification is below 15 ppm. Distillate fuel oil intended for pipeline shipment that fails to meet a pipeline sulfur specification that is below 15 ppm will be classified as low-sulfur distillate fuel oil.

Unaccounted for Crude Oil. Represents the arithmetic difference between the calculated supply and the calculated disposition of crude oil. The calculated supply is the sum of crude oil production plus imports minus changes in crude oil stocks. The calculated disposition of crude oil is the sum of crude oil input to refineries, crude oil exports, crude oil burned as fuel, and crude oil losses.

Unfinished Oils. All oils requiring further processing, except those requiring only mechanical blending. Unfinished oils are produced by partial refining of crude oil and include naphthas and lighter oils, kerosene and light gas oils, heavy gas oils, and residuum.

Unfractionated Streams. Mixtures of unsegregated natural gas liquid components excluding, those in plant condensate. This product is extracted from natural gas.

United States. The United States is defined as the 50 States and the District of Columbia.

Vacuum Distillation. Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

Visbreaking. A thermal cracking process in which heavy atmospheric or vacuum-still bottoms are cracked at moderate temperatures to increase production of distillate products and reduce viscosity of the distillation residues.

Wax. A solid or semi-solid material at 77 degrees Fahrenheit consisting of a mixture of hydrocarbons obtained or derived from petroleum fractions, or through a Fischer-Tropsch type process, in which the straight-chained paraffin series predominates. This includes all marketable wax, whether crude or refined, with a congealing point

(ASTM D 938) between 80 (or 85) and 240 degrees Fahrenheit and a maximum oil content (ASTM D 3235) of 50 weight percent.

Working Storage Capacity. The difference in volume between the maximum safe fill capacity and the quantity below which pump suction is ineffective (bottoms).

Xylene ($C_6H_4(CH_3)_2$). Colorless liquid of the aromatic group of hydrocarbons made the catalytic reforming of certain naphthenic petroleum fractions. Used as high-octane motor and aviation gasoline blending agents, solvents, chemical intermediates. Isomers are metaxylene, orthoxylene, paraxylene.